



# WEG

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**BIOCELL SAMPLING AND ANALYSIS REPORT  
VOLUME I - TEXT, TABLES, FIGURES, AND APPENDICES  
CLTL TERMINAL  
INSTITUTE, WEST VIRGINIA**

**Chemical Leaman Tank Lines  
Exton, Pennsylvania**

**WEG Project No. HG-4812-96**

**March, 1997**

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CLTL TERMINAL  
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Prepared for:

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March, 1997

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# BIOCELL SAMPLING AND ANALYSIS REPORT

## CHEMICAL LEAMAN TANK LINES TERMINAL

### INSTITUTE, WEST VIRGINIA

## 1.0 INTRODUCTION

On behalf of Chemical Leaman Tank Lines, Inc. (CLTL), WEG Engineering (WEG) implemented a program of subsurface soil sampling and analysis to characterize the distribution of volatile and semivolatile organic compounds (VOCs and SVOCs) in eight biocells of staged soil at CLTL's Institute, West Virginia terminal. The biocells were created during the drum removal work at the terminal and are being used to bioremediate the soils that had relatively low levels of VOC and SVOC constituents. The purpose of this sampling event was to evaluate actual biocell depths and volumes and to determine whether the bioremediation process needs to be continued and, if so, in which portions of the biocells. This sampling and analysis program was implemented in accordance with the procedures identified in the Sampling and Analysis Plan (*Sampling and Analysis Plan*, WEG, January 21, 1997), which was approved by the West Virginia Department of Environmental Protection (WVDEP) in their letter of February 7, 1997.

The bioremediation project was initiated by Vector Enterprises, Inc. (Vector), of Grayson, Georgia. Figure 1 shows the locations of the biocells. During biocell construction, approximately two feet of soil was excavated in the area of each cell. Hay bales were placed around each cell to create a berm and an impermeable liner was placed in the excavation and over the hay bales. A drainage layer of six inches of sand and gravel was placed above the impermeable liner, and filter fabric was placed above the sand and gravel. Then, the untreated soil was placed above the filter fabric. One of the purposes of this sampling and analysis program was to verify the actual depth and volume of soil in each biocell.

This report is divided into five sections. This section is the introduction. Section 2.0 presents information on specific sampling procedures. Section 3.0 summarizes the physical characteristics of the biocells. Section 4.0 summarizes the chemical characteristics of the biocells. Finally, Section 5.0 provides conclusions and recommendations. There are two appendices. Appendix A which contains copies of field forms used to document the project. Appendix B contains boring logs. There is also a companion volume to this report: *Biocell Soil Sampling Laboratory Reports*, WEG, March 26, 1997. This volume contains copies of the original laboratory reports for the analyzed soil samples.

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## 2.0 SAMPLING PROCEDURES

This section presents information on specific sampling procedures and protocols, including sampling locations, sample analyses, sampling equipment, equipment decontamination, QA/QC samples, sample volumes, sample containers, sample preservation, sample holding times, sample identification, sample custody, and sample transportation.

### 2.1 Sampling Locations

A 15 foot by 15 foot grid of sampling locations was originally suggested by the WVDEP. As discussed in the approved SAP, a rectangular sampling grid was constructed oriented parallel to the length of each biocell, with the width of each grid equal to the width of the biocell and the length of each grid varying to provide a constant grid area of 225 ft<sup>2</sup>, which is the same area as a 15 foot by 15 foot square. Figure 2 shows the grid on each biocell. Sample locations are shown at the center (deepest point) within each grid.

The following table summarizes the number of grid cells per biocell:

Biocell	Length (ft)	Width (ft)	Area (ft <sup>2</sup> )	Grid Cells
1	66	14	924	4
2	70	17	1,190	5
3	70	32	2,240	10
4	110	25	3,000	12
5	75	15	1,350	5
6	90	25	2,250	10
7	65	22	1,650	6
8	60	16	1,200	4
			TOTAL:	56

Some of the length dimensions differ from those in the SAP because the dimensions in the SAP were measured from berm to berm while the actual soil piles sometimes did not occupy the entire bermed area. Therefore, biocells 4, 5, 7, and 8 each had one less grid cell than expected and, with the approval of the WVDEP in the field, one less boring was performed in each of those biocells.

From February 24 through 27, 1997, WEG advanced hand auger borings through the deepest portion of each of the 56 grid locations. Subsurface soil samples were collected every 12 inches through the soil column. When the filter fabric was encountered in each boring, WEG also collected a grab sample of the soils immediately above the filter fabric. A total of 282 locations were sampled. This total does not include samples collected for quality assurance / quality control purposes.

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## **2.2 Sample Identification**

Each sample was given an identification number with the format  $Ci-j-k$ , where  $i$  is the biocell number,  $j$  is the grid location within the cell, and  $k$  is the depth of the sample, in inches. For example, C2-1-60 was the sample from Biocell 2, grid location 1, at a depth of 60 inches. Duplicate samples were given the same name as the sample that was duplicated, with the letter "D" appended. For example, C2-1-60D was the duplicate of the previous example. Trip blanks and field blanks (rinsates) were numbered consecutively beginning with TB-1 and FB-1.

## **2.3 Sampling Equipment and Procedure**

In general, soil samples at each grid location were collected at 12-inch intervals in the same boring. At each sampling location, the sampling technician first donned a new pair of disposable latex gloves. The hand auger boring was advanced one foot, and a sample from the bottom of the boring was collected. Decontaminated stainless steel spoons were used to help empty the auger bucket and to fill glass sample jars. First, the glass sample jar for VOC analysis was filled. Then, a portion of the sample was placed in a plastic bag and sealed for later field screening. Finally, the glass jar for SVOC analysis was filled. (Plastic bags were used for field screening purposes only, with the approval of the WVDEP representative.) After each sample was collected, the sampling equipment was decontaminated and the technician donned a new pair of latex gloves. A final sample was collected when the filter fabric was encountered in the same manner as described above. Before placing unused soils back into the sampling holes, the depth to the filter fabric was measured.

In some cases, circumstances dictated minor variances from this procedure. In three borings (C2-1, C2-2, and C2-4), the filter fabric was not encountered due to refusal. In four others (C2-5, C3-1, C3-2, and C3-6), filter fabric was not encountered and black plastic was encountered at depths that were believed to correspond to the bottom of the cell. To be sure that potentially impacted water in the biocells does not migrate through the bottom liner, these borings were backfilled with bentonite chips. Finally, in three borings (C3-9, C4-6, and C5-2), the filter fabric was encountered shortly after collection of one of the shallower samples. This resulted in an insufficient sample volume for field screening and soil characterization, although in each of these instances, sufficient sample to fill the VOC and SVOC sample jars was obtained.

Soil samples for field screening were stored at ambient temperatures away from direct sunlight. After all samples from each sampling location were collected, the soil samples in the plastic bags were screened with a calibrated photoionization detector (PID) with a 10.2 eV lamp. Finally, the samples were characterized for color, grain size distribution, moisture, and odor.

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Soil Sample Log Sheets were completed for all samples collected in each boring. The completed Soil Sample Log Sheets are included in Appendix A. Boring logs detailing the soils encountered and the PID readings are included in Appendix B. PID readings for those samples that were analyzed are also shown on Table 1.

#### 2.4 Equipment Decontamination

Prior to each use, bucket augers, bowls, and spoons were decontaminated according to the following procedure:

1. Potable water rinse to remove gross soil particles;
2. Alconox wash to remove remaining soil particles;
3. Potable water rinse to remove Alconox soap;
4. Methanol spray to remove adsorbed organic compounds; and
5. Laboratory supplied water rinse to remove methanol.

It should be noted that acetone is a common minor constituent of the reagent grade methanol used in the decontamination procedure. Therefore, low concentrations of acetone detected in the VOC analyses do not necessarily mean that acetone was present in the soil samples.

Laboratory supplied water in glass bottles was specified for the final rinse instead of distilled water because distilled water in plastic jugs has been known to become contaminated with phthalates from the plasticizers in the plastic. Decontamination wash water was disposed of at the on-site wastewater treatment plant.

#### 2.5 QA/QC Samples

Several samples were collected and analyzed for quality assurance and quality control (QA/QC) purposes. These included trip blanks, duplicates, and field blanks. In addition, results of method blanks were reported by the laboratory.

Trip blanks consisting of laboratory supplied and certified clean sand were filled by the laboratory and were not opened at the site. One trip blank accompanied each day's shipment of samples to the laboratory. A total of four trip blanks (TB-1 through TB-4) were submitted for laboratory analysis.

Of the 87 samples ultimately selected for laboratory analysis, six were duplicated (C2-1-60D, C3-8-68D, C6-7-59D, C6-9-44D, C7-2-55D, and C8-3-48D). This ratio

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exceeds the WVDEP required ratio of one duplicate sample for every 15 samples (not including samples collected only for field screening).

WEG collected five field blanks from a five-gallon bucket of certified clean sand using newly-decontaminated sampling equipment. This ratio exceeds the WVDEP required ratio of one field blank for every 20 samples (not including samples collected only for field screening).

The WVDEP oversight representative collected splits of 10 samples (C2-3-36, C4-2-60, C4-5-60, C4-11-84, C4-12-72, C6-1-36, C6-2-36, C6-2-60, C6-3-48, and C6-5-60). The WVDEP based its decision of which samples to split based on the PID readings. These split samples were obtained from the field screening plastic bags. In general, it was only possible to provide one 4-ounce jar of soil from these bags. As of the time of this report, the results of these split analyses have not been provided by the WVDEP.

## **2.6 Sample Volumes, Containers, Preservatives, and Maximum Holding Times**

The sample volumes, containers, preservatives, and maximum holding times for the soil samples were as follows:

Analysis	Matrix	Sample Volume	Sample Container	Preservative	Maximum Holding Time
SW 8260	soil	100 g	4 oz. glass jar with teflon lined septum	Cool, 4° C	14 days
SW 8270	soil	100 g	4 oz. glass jar with teflon lined septum	Cool, 4° C	extract 14 days analyze 40 days

All samples were delivered to Commercial Testing and Engineering, Inc. (CT&E), of Charleston, West Virginia. Most of the shallow soil samples were marked "HOLD" on the chain of custody forms. Based on initial analytical results, WEG later instructed the laboratory to analyze many of the samples initially marked "HOLD." In all cases, the analyses were performed within the allotted maximum holding times.

## **2.7 Sample Custody and Transportation**

Samples remained in the custody of the sampling technicians for the duration of each day of sampling. With the concurrence of the WVDEP oversight representative, custody seals were not placed over the lid of each glass jar. Custody seals were, however, placed across the opening of each full cooler. At the end of each day, a chain-of-custody and analysis request form was completed. Copies of these forms are included in Appendix A. The samples were either picked up by a laboratory courier or delivered to the laboratory by the sampling technicians.

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## 2.8 Sample Analysis

In general, it was expected that the soils within the upper two feet of each biocell would have been in contact with adequate oxygen to allow for bioremediation to occur. Soils at depth in each biocell have had less oxygen available and the potential for bioremediation is reduced. Therefore, the deepest portion of each soil column was expected to contain the highest concentrations of site compounds of concern, and the deepest soil sample from each grid location was selected for laboratory analysis. Samples from shallower locations were also selected based on soil characteristics, field screening results, and results of initial laboratory analyses. Of the 282 samples collected, samples from the bottoms of all 56 borings and from 31 shallower locations were ultimately analyzed.

In accordance with the approved SAP, all analyses were by gas chromatography and mass spectrometry (SW-846 Methods 8260 and 8270). Every volatile and semivolatile organic compound with a land disposal restriction (LDR) treatment standard in terms of total concentrations (40 CFR 268) was quantified by these methods. Table 1 shows the compounds that were quantified and their corresponding LDR treatment standards.

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### 3.0 PHYSICAL CHARACTERISTICS OF THE BIOCELLS

This section presents information on the physical characteristics of the biocells as determined by the soil boring program, including biocell dimensions and soil types. These characteristics are discussed in the following sections.

#### 3.1 Biocell Dimensions

One of the objectives of the boring program was to determine the actual depth of soil in each biocell. This was based on the depth to the filter fabric. Figures 3, 4, and 5 show cross-sections of the eight biocells. In developing these cross-sections, the bottom of each biocell was assumed to be level.

The following table summarizes the dimensions of each biocell:

Biocell	Length (ft)	Width (ft)	Maximum Depth (ft)	Average Depth (ft)	Estimated Volume (ft <sup>3</sup> )
1	66	14	4.0	3.9	3,600
2	70	17	6.8	5.6	6,700
3	70	32	6.0	5.1	11,400
4	110	25	7.7	6.0	16,500
5	75	15	3.9	3.4	3,800
6	90	25	5.0	4.4	9,900
7	65	22	5.0	4.6	6,600
8	60	16	4.2	4.0	3,800
				TOTAL:	62,300

The total estimated volume of soils in the biocells is 62,300 ft<sup>3</sup>, or 2,300 yd<sup>3</sup>. The actual volume is larger than the apparent volume because the biocells extend below grade. Assuming a density of 1.5 tons/yd<sup>3</sup>, the total estimated weight of soils in the biocells is 3,500 tons.

#### 3.2 Soil Types

The predominant soil type encountered in the biocells was silty clay, with varying amounts of fine to coarse sand and fine gravel. Overall, the soil types throughout the piles were fairly homogeneous. Soils were of two distinct colors, brown and dark brown. This distinction was not considered significant when logging boring C1-1 through C3-6. However, beginning with boring C3-7, it was noted that the dark brown soils correlate well (although not perfectly) with depth and with the occurrence of significant organic odors. Thereafter, the distinction between brown and dark brown soils was noted on the boring logs. In general, the dark brown soils were found in the deeper portions of each

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boring. Residues of black or clear cover plastic were encountered in several borings above the filter fabric, including C1-4, C2-2, C3-4, C3-6, and C4-8.

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## 4.0 CHEMICAL CHARACTERISTICS OF THE BIOCELLS

This section summarizes the field screening and laboratory results, as described in the following sections.

### 4.1 Field Screening Results

The vast majority of the samples screened with the PID showed a concentration of 0.0 ppm of total headspace VOCs above background. The following table shows the 21 non-zero total headspace readings, ranked from highest to lowest, and compares them with the sum of detected VOCs and SVOCs in the corresponding laboratory analyses:

Sample	Total Headspace VOCs (ppm)	Total Detected VOCs and SVOCs (mg/kg)
C6-2-60	482	197.735
C6-5-58	358	384.421
C4-11-82	120	144.202
C4-11-72	112	not analyzed
C4-12-72	104	not analyzed
C4-5-60	92.1	15.539
C6-2-48	89.1	not analyzed
C6-2-36	88.1	24.535
C2-3-36	72.4	15.595
C4-12-60	49.1	34.690
C4-5-48	43.8	not analyzed
C4-2-58	36.4	68.780
C4-5-36	31.8	not analyzed
C6-1-36	31.5	38.731
C4-12-84	29.5	22.930
C6-3-48	27.9	13.282
C4-3-58	12.3	34.81
C3-9-36	13.2	not analyzed
C4-8-60	8.5	not analyzed
C6-6-48	5.7	not analyzed
C7-5-48	1.0	not analyzed

In general, the relative ranking for samples with field screening and laboratory results are fairly consistent. Several samples with detectable headspace VOCs were not analyzed in the laboratory due to their proximity to other samples that were analyzed.

### 4.2 Laboratory Results

One or more VOCs or SVOCs were detected in all but 10 of the samples analyzed in the laboratory. Detected compounds include:

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- **Monoaromatic Hydrocarbons:** benzene, ethylbenzene, toluene, xylenes, 2-methylphenol, 3/4-methylphenol, 2-4-dimethylphenol, and phenol.
- **Polynuclear Aromatic Hydrocarbons (PAHs):** acenaphthene, anthracene, benzo(*a*)anthracene, benzo(*b*)fluoranthene, benzo(*k*)fluoranthene, benzo(*g,h,i*)perylene, benzo(*a*)pyrene, chrysene, fluoranthene, fluorene, indeno (1,2,3-*c,d*) pyrene, naphthalene, phenanthrene, and pyrene.
- **Halogenated Aliphatic Hydrocarbons:** chloroform, 1,2-dibromo-3-chloropropane, 1,2-dichloroethane, 1,2-dichloropropane, methylene chloride, tetrachloroethene, trichloroethene, trichlorofluoromethane, 1,2,3-trichloropropane, and vinyl chloride.
- **Halogenated Aromatic Hydrocarbons:** chlorobenzene, 1,2-dichlorobenzene, 1,4-dichlorobenzene, and 1,2,4-trichlorobenzene.
- **Ketones:** acetone, 2-butanone, and 4-methyl-2-pentanone.
- **Phthalates:** butyl benzyl phthalate, di-n-butyl phthalate, di-n-octyl phthalate, and *bis*(2-ethylhexyl) phthalate.
- **Miscellaneous Compounds:** acetonitrile, ethyl methacrylate, methyl methacrylate, aniline, 4-chloroaniline, and N-nitroso-diphenylamine.

Of these, only the following compounds were detected in one or more samples in concentrations exceeding their respective LDRs: acetonitrile, chlorobenzene, ethylbenzene, trichloroethene, xylenes, acenaphthene, anthracene, benzo(*a*)anthracene, benzo(*b*)fluoranthene, benzo(*k*)fluoranthene, benzo(*g,h,i*)perylene, benzo(*a*)pyrene, chrysene, 1,2-dichlorobenzene, fluoranthene, fluorene, indeno (1,2,3-*c,d*) pyrene, naphthalene, phenanthrene, phenol, and pyrene.

The following samples were found to contain one or more VOCs or SVOCs in concentrations exceeding their respective LDRs:

- **Biocell 1:** C1-3-42 (acenaphthene, anthracene, benzo(*a*)anthracene, benzo(*b*)fluoranthene, benzo(*k*)fluoranthene, benzo(*g,h,i*)perylene, benzo(*a*)pyrene, chrysene, fluoranthene, fluorene,

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indeno(1,2,3-*c,d*)pyrene, naphthalene, phenanthrene, and pyrene).

- **Biocell 2:** C2-2-48 (naphthalene).
- **Biocell 3:** C3-9-62 (ethylbenzene and xylenes).
- **Biocell 4:** C4-2-58 (ethylbenzene and naphthalene), C4-3-58 (naphthalene), C4-4-45 (ethylbenzene and naphthalene), C4-8-88 (naphthalene), C4-9-60 (naphthalene), C4-9-92 (acetonitrile and naphthalene), and C4-11-82 (ethylbenzene and trichloroethene).
- **Biocell 5:** None.
- **Biocell 6:** C6-1-48 (naphthalene), C6-2-36 (ethylbenzene), C6-2-60 (ethylbenzene and xylenes), C6-4-60 (naphthalene), C6-5-58 (ethylbenzene, trichloroethene, xylenes, 1,2-dichlorobenzene, naphthalene, and phenol), and C6-6-58 (1,2-dichlorobenzene, naphthalene, and phenol).
- **Biocell 7:** C7-1-48 (chlorobenzene), C7-1-60 (chlorobenzene), C7-2-55D (ethylbenzene), C7-3-24 (ethylbenzene), C7-3-60 (ethylbenzene), and C7-4-60 (naphthalene).
- **Biocell 8:** C8-2-48 (chlorobenzene), C8-3-48 (ethylbenzene), and C8-3-48D (naphthalene).

In general, ethylbenzene and naphthalene were the compounds that exceeded LDRs in the most samples.

Biocell 1 had only one sample that exceeded LDRs, C1-3-42, which significantly exceeded the LDRs (more than twice the LDR) for 13 PAHs and slightly exceeded the LDR (less than twice the LDR) for naphthalene. The shallower sample in that boring, C1-3-24, met all LDRs. Treatment in most of this biocell is complete. In the bottom portion of grid location C1-3, however, treatment remains incomplete. The volume of soils in Biocell 1 exceeding LDRs is estimated to be 3.9 yd<sup>3</sup> (5.9 tons).

Biocell 2 had only one location where LDRs were exceeded. In sample C2-2-48, the LDR for naphthalene was slightly exceeded (less than twice the LDR). The deepest sample in that boring met all LDRs. This is one of the few exceptions to the observation that the deepest samples have the highest concentrations of VOCs and SVOCs. Treatment is complete in the majority of Biocell 2 and is nearly complete in the vicinity of grid location

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C2-2. The volume of soils in Biocell 2 exceeding LDRs is estimated to be 16.5 yd<sup>3</sup> (24.8 tons).

Biocell 3 had only one sample where LDRs were exceeded, C3-9-62 near the east end of the biocell, where LDRs for ethylbenzene and xylenes were significantly exceeded. The shallower analyzed sample in that boring, C3-9-24, met all LDRs. Treatment is complete in the majority of Biocell 3 but remains incomplete at the bottom portion of grid location C3-9. The volume of soils in Biocell 3 exceeding LDRs is estimated to be 7.1 yd<sup>3</sup> (10.7 tons).

In Biocell 4, seven of twelve borings contained soils that exceeded LDRs. On the west end, borings C4-2, C4-3, and C4-4 contained ethylbenzene and/or naphthalene. Only sample C4-2-58 significantly exceeded the LDR for naphthalene. In this boring, the next highest sample (C4-2-48) was below LDRs. On the east end, boring C4-8, C4-9, and C4-11 contained acetonitrile, ethylbenzene, trichloroethene and/or naphthalene. Sample C4-8-88 significantly exceeded the LDR for naphthalene. In this boring, a higher sample (C4-8-48) was below LDRs. In boring C4-9, C4-9-60 and C4-9-92 exceeded the LDR for naphthalene and C4-9-92 also exceeded the LDR for acetonitrile. In both cases, however, the LDRs were only slightly exceeded. In boring C4-11, the deepest sample (C4-11-82) exceeded the LDR for ethylbenzene by an order of magnitude, but only slightly exceeded the LDR for trichloroethene. In C4-11-60, however, all LDRs were achieved. Based on these data, the treatment is complete in most of Biocell 4 and nearly complete in most of the rest. Areas of significantly incomplete treatment are isolated to the deepest portions of grid locations C4-2, C4-8, and C4-11. The volume of soils in Biocell 4 exceeding LDRs is estimated to be 73.4 yd<sup>3</sup> (110.1 tons).

LDRs were met in all samples from Biocell 5. Treatment in this biocell is complete.

In Biocell 6, five of ten borings contained soils that exceeded LDRs. These were C6-1, C6-2, C6-4, C6-5, and C6-6, all on the west end of the biocell. In boring C6-1, the deepest sample (C6-1-48) slightly exceeded the LDR for naphthalene. In this boring, the next highest sample (C6-1-36) met all LDRs. In boring C6-2, the deepest sample (C6-2-60) significantly exceeded the LDRs for ethylbenzene and xylenes. In C6-2-36 ethylbenzene was also exceeded, but only slightly. In boring C6-4, the deepest sample (C6-4-60) slightly exceeded the LDR for naphthalene. No shallower samples in this boring were analyzed. However, shallow samples from both adjacent boring met all LDRs. In boring C6-5, the bottom sample (C6-5-58) significantly exceeded LDRs for ethylbenzene, xylenes, naphthalene, and phenol, and slightly exceeded LDRs for trichloroethene and 1,2-dichlorobenzene. The shallower sample, C6-5-36, met all LDRs. In boring C6-6, the deepest sample (C6-6-58) significantly exceeded the LDR for 1,2-dichlorobenzene and slightly exceeded the LDRs for naphthalene and phenol. The shallower sample, C6-6-36, met all LDRs. Treatment is complete in the east end of

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Biocell 6 and in the shallow portions of the west end. In the remainder of the biocell, treatment is nearly complete in some portions but remains incomplete in the bottom portions of grid locations C6-2, C6-5, and C6-6. The volume of soils in Biocell 6 exceeding LDRs is estimated to be 44.8  $\text{yd}^3$  (67.2 tons).

In Biocell 7, LDRs were exceeded in the four western borings, but not in the two eastern borings. The two samples in boring C7-1 (C7-1-48 and C7-1-60) both slightly exceeded the LDR for chlorobenzene. In boring C7-2, one duplicate of the deepest sample met all LDRs, but the other duplicate slightly exceeded the LDR for ethylbenzene. The average ethylbenzene concentration in these duplicates meets the LDR. In C7-3, both analyzed samples exceeded the LDR for ethylbenzene, significantly in C7-3-24 and slightly in C7-3-60. In C7-4, the deepest sample slightly exceeded the LDR for naphthalene. No shallower samples were analyzed in this boring. Treatment is complete in the eastern half of this biocell and nearly complete in most of the western half. Treatment remains incomplete, however, in the shallow portion of grid location C7-3. The volume of soils in Biocell 7 exceeding LDRs is estimated to be 101.5  $\text{yd}^3$  (152.2 tons). 6

In Biocell 8, LDRs were exceeded in two of four borings. In C8-2, the LDR for chlorobenzene was slightly exceeded in the deepest sample (C8-2-48). In a shallower sample, C8-2-24, all LDRs were met. In boring C8-3, the LDR for ethylbenzene was slightly exceeded in one duplicate of the deepest sample (C8-3-48) and the LDR for naphthalene was slightly exceeded in the other duplicate (C8-3-48D). For ethylbenzene, the average concentration in these duplicates meets the LDR. For naphthalene, however, the average concentration still slightly exceeds the LDR. Treatment is complete in the majority of Biocell 8 and nearly complete in the rest. The volume of soils in Biocell 8 exceeding LDRs is estimated to be 18.1  $\text{yd}^3$  (27.1 tons).

BIOCELL SAMPLING AND ANALYSIS REPORT  
CHEMICAL LEAMAN TANK LINES TERMINAL  
INSTITUTE, WEST VIRGINIA

## 5.0 CONCLUSIONS AND RECOMMENDATIONS

Based on the results of the biocell sampling and analysis program, WEG has reached the following conclusions:

- The existing biocells are secure, the covers are in good condition, and the containment berms are sound.
- The actual volume of soils in the biocells (2,300 yd<sup>3</sup>, or 3,500 tons) is greater than the apparent volume because the biocells extend below grade.
- The soils in Biocell 5 and most of the soils in the other biocells meet all LDRs. Where soils exceeded LDRs, they were generally found in the deepest portions of the biocells.
- The total volume of soils exceeding LDRs is estimated to be 265 yd<sup>3</sup> (398 tons).

Based on these conclusions, WEG recommends the following course of action:

- Soils that meet LDRs should be removed from the biocells to permit better treatment of soils for which treatment is incomplete.
- Treatment of remaining soils should be performed by restarting the treatment system, with monitoring to be performed to verify performance.

## **TABLES**

**Table 1**  
**Summary of Laboratory Analyses**  
**CLTL Terminal**  
**Institute, West Virginia**  
**WEG Project No. HG-4812-96**

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Compound	LDR (mg/kg)	Sample, Date Collected, and Concentration (mg/kg)									
		C1-1-48 2/24/97	C1-2-48 2/24/97	C1-3-24 2/24/97	C1-3-42 2/24/97	C1-4-36 2/24/97	C1-4-48 2/24/97	C2-1-60 2/24/97	C2-1-60D 2/24/97	C2-2-48 2/24/97	C2-2-82 2/24/97
<b>Field Screening</b>											
Total VOCs	NA	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
<b>Volatile Organic Compounds</b>											
Acetone	160	0.032	< 0.025	< 0.025	0.030	< 0.025	< 0.025	0.039	0.042	1.0	0.058
Acetonitrile	1.8	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
Acrylonitrile	84	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025
Benzene	10	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025
Bromodichloromethane	15	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025
Methyl bromide	15	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025
n-Butyl alcohol	2.6	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
Carbon tetrachloride	6	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025
Chlorobenzene	6	< 0.025	< 0.025	< 0.025	0.63	< 0.025	< 0.025	< 0.025	< 0.025	1.4	0.051
2-Chloroprene	0.3	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025
Dibromochloromethane	15	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025
Chloroethane	6	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025
Chloroform	6	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025
Methyl chloride	30	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025
Allyl chloride	30	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025
Ethylene dibromide	15	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025
1,2-Dibromo-3-chloropropane	15	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025
Dibromomethane	15	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025
Dichlorodifluoromethane	7.2	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025
1,1-Dichloroethane	6	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025
1,2-Dichloroethane	6	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025
1,1-Dichloroethene	6	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025
trans-1,2-Dichloroethene	30	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025
1,2-Dichloropropane	18	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025
cis-1,3-Dichloropropene	18	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025
trans-1,3-Dichloropropene	18	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025
Ethyl acetate	33	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025
Propionitrile	360	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0

**Table 1**  
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Compound	LDR (mg/kg)	Sample, Date Collected, and Concentration (mg/kg)									
		C1-1-48 2/24/97	C1-2-48 2/24/97	C1-3-24 2/24/97	C1-3-42 2/24/97	C1-4-36 2/24/97	C1-4-48 2/24/97	C2-1-60 2/24/97	C2-1-60D 2/24/97	C2-2-48 2/24/97	C2-2-82 2/24/97
<b>Volatile Organic Compounds (cont.)</b>											
Ethylbenzene	10	0.028	< 0.025	< 0.025	0.033	< 0.025	< 0.025	< 0.025	0.049	0.33	0.27
Ethyl ether	160	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025
Ethyl methacrylate	160	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025
Iodomethane	65	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025
Isobutanol	170	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0
Methacrylonitrile	84	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025
Methylene chloride	30	< 0.025	< 0.025	0.034	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	0.34	0.030
2-Butanone	36	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	0.45	< 0.025
4-Methyl-2-pentanone	33	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	0.095	< 0.025
Methyl methacrylate	160	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025
1,1,1,2-Tetrachloroethane	6	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025
1,1,2,2-Tetrachloroethane	6	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025
Tetrachloroethylene	6	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025
Toluene	10	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	0.13	0.059
Bromoform	15	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025
1,1,1-Trichloroethane	6	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025
1,1,2-Trichloroethane	6	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025
Trichloroethylene	6	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	0.39	< 0.025
Trichlorofluoromethane	30	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	0.060	< 0.025
1,2,3-Trichloropropane	30	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025
1,1,2-Trichlorofluoroethane	30	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025
Vinyl chloride	6	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025
Xylenes (Total)	30	0.043	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	0.121	0.046
<b>Semivolatile Organic Compounds</b>											
Acenaphthylene	3.4	< 0.33	< 0.33	< 0.33	< 0.33	1.65	< 1.65	< 0.33	< 0.33	< 0.33	< 0.33
Acenaphthene	3.4	< 0.33	< 0.33	< 0.33	0.33	17	< 1.65	< 0.33	< 0.33	< 0.33	< 0.33
Acetophenone	9.7	< 0.33	< 0.33	< 0.33	< 0.33	1.65	< 1.65	< 0.33	< 0.33	< 0.33	< 0.33
2-Acetylaminofluorene	140	< 1.67	< 1.67	< 1.67	< 1.67	8.35	< 8.35	< 1.67	< 1.67	< 1.67	< 1.67
Aniline	14	< 0.33	< 0.33	< 0.33	< 0.33	1.65	< 1.65	< 0.33	< 0.33	< 0.33	< 0.33
Anthracene	3.4	< 0.33	< 0.33	< 0.33	< 0.33	33	< 1.65	< 0.33	< 0.33	< 0.33	< 0.33

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Compound	LDR (mg/kg)	Sample, Date Collected, and Concentration (mg/kg)									
		C1-1-48 2/24/97	C1-2-48 2/24/97	C1-3-24 2/24/97	C1-3-42 2/24/97	C1-4-36 2/24/97	C1-4-48 2/24/97	C2-1-60 2/24/97	C2-1-60D 2/24/97	C2-2-48 2/24/97	C2-2-82 2/24/97
<b>Semivolatile Organic Compounds (cont.)</b>											
Benzo(a)anthracene	3.4	< 0.33	< 0.33	< 0.33	31	< 1.65	0.38	< 0.33	< 0.33	< 0.33	< 0.33
Benzo(b)fluoranthene	6.8	< 0.33	< 0.33	< 0.33	21	< 1.65	0.37	< 0.33	< 0.33	< 0.33	< 0.33
Benzo(k)fluoranthene	6.8	< 0.33	< 0.33	< 0.33	20	< 1.65	0.45	< 0.33	< 0.33	< 0.33	< 0.33
Benzo(g,h,i)perylene	1.8	< 0.33	< 0.33	< 0.33	13	< 1.65	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33
Benzo(a)pyrene	3.4	< 0.33	< 0.33	< 0.33	23	< 1.65	0.50	< 0.33	< 0.33	< 0.33	< 0.33
4-Bromophenyl phenyl ether	15	< 0.33	< 0.33	< 0.33	< 1.65	< 1.65	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33
Butyl benzyl phthalate	28	< 0.66	< 0.66	< 0.66	< 3.3	< 3.3	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66
Dinoseb	2.5	< 1.67	< 1.67	< 1.67	< 8.35	< 8.35	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67
4-Chloroaniline	16	< 0.33	< 0.33	< 0.33	< 1.65	< 1.65	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33
bis(2-Chloroethoxy)methane	7.2	< 0.33	< 0.33	< 0.33	< 1.65	< 1.65	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33
bis(2-Chloroethyl)ether	6	< 0.33	< 0.33	< 0.33	< 1.65	< 1.65	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33
bis(2-Chloroisopropyl)ether	7.2	< 0.33	< 0.33	< 0.33	< 1.65	< 1.65	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33
4-Chloro-3-methylphenol	14	< 0.66	< 0.66	< 0.66	< 3.3	< 3.3	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66
2-Chloronaphthalene	5.6	< 0.33	< 0.33	< 0.33	< 1.65	< 1.65	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33
2-Chlorophenol	5.7	< 0.33	< 0.33	< 0.33	< 1.65	< 1.65	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33
Chrysene	3.4	< 0.33	< 0.33	< 0.33	34	< 1.65	0.50	< 0.33	< 0.33	< 0.33	< 0.33
2-Methylphenol	5.6	< 0.66	< 0.66	< 0.66	< 3.3	< 3.3	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66
3,4-Methylphenol	5.6	< 0.66	< 0.66	< 0.66	< 3.3	< 3.3	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66
Dibenz(a,h)anthracene	8.2	< 0.66	< 0.66	< 0.66	36	< 3.3	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66
1,3-Dichlorobenzene	6	< 0.33	< 0.33	< 0.33	< 1.65	< 1.65	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33
1,2-Dichlorobenzene	6	< 0.33	< 0.33	< 0.33	< 1.65	< 1.65	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33
1,4-Dichlorobenzene	6	< 0.33	< 0.33	< 0.33	< 1.65	< 1.65	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33
2,4-Dichlorophenol	14	< 0.66	< 0.66	< 0.66	< 3.3	< 3.3	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66
2,6-Dichlorophenol	14	< 0.33	< 0.33	< 0.33	< 1.65	< 1.65	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33
Diethyl phthalate	28	< 0.33	< 0.33	< 0.33	< 1.65	< 1.65	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33
2-4-Dimethylphenol	14	< 0.33	< 0.33	< 0.33	< 1.65	< 1.65	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33
Dimethyl phthalate	28	< 0.33	< 0.33	< 0.33	< 1.65	< 1.65	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33
Di-n-butyl phthalate	28	< 0.33	< 0.33	< 0.33	< 1.65	< 1.65	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33
1,4-Dinitrobenzene	2.3	< 1.67	< 1.67	< 1.67	< 8.35	< 8.35	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67
4,6-Dinitro-o-cresol	160	< 1.67	< 1.67	< 1.67	< 8.35	< 8.35	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67
2,4-Dinitrophenol	160	< 1.67	< 1.67	< 1.67	< 8.35	< 8.35	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67

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		C1-1-48 2/24/97	C1-2-48 2/24/97	C1-3-24 2/24/97	C1-3-42 2/24/97	C1-4-36 2/24/97	C1-4-48 2/24/97	C2-1-60 2/24/97	C2-1-60D 2/24/97	C2-2-48 2/24/97	C2-2-82 2/24/97
<b>Semivolatile Organic Compounds (cont.)</b>											
2,4-Dinitrotoluene	140	< 1.67	< 1.67	< 1.67	< 8.35	< 8.35	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67
2,6-Dinitrotoluene	28	< 1.67	< 1.67	< 1.67	< 8.35	< 8.35	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67
Di-n-octyl phthalate	28	< 0.66	< 0.66	< 0.66	< 3.3	< 3.3	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66
N-Nitrosodi-n-propylamine	14	< 0.66	< 0.66	< 0.66	< 3.3	< 3.3	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66
Diphenylamine	13	< 0.66	< 0.66	< 0.66	< 3.3	< 3.3	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66
N-Nitroso-Diphenylamine	13	< 0.66	< 0.66	< 0.66	< 3.3	< 3.3	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66
bis (2-Ethylhexyl) phthalate	28	20.78	0.38	0.17	< 1.65	2.23	0.14	0.13	< 0.33	2.0	0.77
Fluoranthene	3.4	< 0.33	< 0.33	< 0.33	34	< 1.65	0.58	< 0.33	< 0.33	< 0.33	< 0.33
Fluorene	3.4	< 0.33	< 0.33	< 0.33	19	< 1.65	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33
Hexachlorobenzene	10	< 0.33	< 0.33	< 0.33	< 1.65	< 1.65	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33
Hexachlorobutadiene	5.6	< 0.66	< 0.66	< 0.66	< 3.3	< 3.3	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66
Hexachlorocyclopentadiene	2.4	< 1.67	< 1.67	< 1.67	< 8.35	< 8.35	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67
Hexachloroethane	30	< 1.67	< 1.67	< 1.67	< 8.35	< 8.35	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67
Hexachloropropene	30	< 1.67	< 1.67	< 1.67	< 8.35	< 8.35	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67
Indeno (1,2,3-c,d) pyrene	3.4	< 1.66	< 1.66	< 1.66	11	< 1.66	< 1.66	< 1.66	< 1.66	< 1.66	< 1.66
Isosafrole	2.6	< 0.33	< 0.33	< 0.33	< 1.65	< 1.65	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33
Methapyrilene	1.5	< 1.0	< 1.0	< 1.0	< 5.0	< 5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
3-Methylcholanthrene	15	< 0.66	< 0.66	< 0.66	< 3.3	< 3.3	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66
4,4'-Methylene-bis (2-chloroaniline)	30	< 0.66	< 0.66	< 0.66	< 3.3	< 3.3	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66
Naphthalene	5.6	< 0.33	< 0.33	< 0.33	7.9	2.3	0.46	< 0.33	< 0.33	6.0	< 0.33
2-Nitroaniline	14	< 1.67	< 1.67	< 1.67	< 8.35	< 8.35	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67
4-Nitroaniline	28	< 1.67	< 1.67	< 1.67	< 8.35	< 8.35	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67
Nitrobenzene	14	< 0.33	< 0.33	< 0.33	< 1.65	< 1.65	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33
5-Nitro-o-toluidine	28	< 1.67	< 1.67	< 1.67	< 8.35	< 8.35	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67
2-Nitrophenol	13	< 0.66	< 0.66	< 0.66	< 3.3	< 3.3	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66
4-Nitrophenol	29	< 1.67	< 1.67	< 1.67	< 8.35	< 8.35	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67
N-Nitrosodiethylamine	28	< 0.33	< 0.33	< 0.33	< 1.65	< 1.65	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33
N-Nitrosodimethylamine	2.3	< 0.66	< 0.66	< 0.66	< 3.3	< 3.3	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66
N-Nitroso-di-n-butylamine	17	< 0.66	< 0.66	< 0.66	< 3.3	< 3.3	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66
N-Nitrosomethylmethylethylamine	2.3	< 1.67	< 1.67	< 1.67	< 8.35	< 8.35	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67
N-Nitrosomorpholine	2.3	< 1.67	< 1.67	< 1.67	< 8.35	< 8.35	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67

**Table 1**  
**Summary of Laboratory Analyses**  
**CLTL Terminal**  
**Institute, West Virginia**  
**WEG Project No. HG-4812-96**

Compound	LDR (mg/kg)	Sample, Date Collected, and Concentration (mg/kg)									
		C1-1-48 2/24/97	C1-2-48 2/24/97	C1-3-24 2/24/97	C1-3-42 2/24/97	C1-4-36 2/24/97	C1-4-48 2/24/97	C2-1-60 2/24/97	C2-1-60D 2/24/97	C2-2-48 2/24/97	C2-2-82 2/24/97
<b>Semivolatile Organic Compounds (cont.)</b>											
N-Nitrosopiperidine	35	< 0.33	< 0.33	< 0.33	< 1.65	< 1.65	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33
N-Nitrosopyrrolidine	35	< 1.67	< 1.67	< 1.67	< 8.35	< 8.35	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67
Pentachlorobenzene	10	< 0.33	< 0.33	< 0.33	< 1.65	< 1.65	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33
Pentachloroethane	6	< 0.33	< 0.33	< 0.33	< 1.65	< 1.65	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33
Pentachloronitrobenzene	4.8	< 1.67	< 1.67	< 1.67	< 8.35	< 8.35	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67
Pentachlorophenol	7.4	< 1.67	< 1.67	< 1.67	< 8.35	< 8.35	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67
Phenacetin	16	< 1.67	< 1.67	< 1.67	< 8.35	< 8.35	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67
Phenanthrene	5.6	< 0.33	< 0.33	< 0.33	45	< 1.65	0.47	< 0.33	< 0.33	< 0.33	< 0.33
Phenol	6.2	< 0.66	< 0.66	< 0.66	< 3.3	< 3.3	< 0.66	< 0.66	< 0.66	1.8	< 0.66
Pronamide	1.5	< 1.67	< 1.67	< 1.67	< 8.35	< 8.35	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67
Pyrene	8.2	< 0.33	< 0.33	< 0.33	30	< 1.65	0.49	< 0.33	< 0.33	< 0.33	< 0.33
Pyridine	16	< 1.67	< 1.67	< 1.67	< 8.35	< 8.35	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67
Safrole	22	< 0.33	< 0.33	< 0.33	< 1.65	< 1.65	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33
1,2,4,5-Tetrachlorobenzene	14	< 0.33	< 0.33	< 0.33	< 1.65	< 1.65	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33
2,3,4,6-Tetrachlorophenol	7.4	< 0.33	< 0.33	< 0.33	< 1.65	< 1.65	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33
1,2,4-Trichlorobenzene	19	< 0.33	< 0.33	< 0.33	< 1.65	< 1.65	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33
2,4,5-Trichlorophenol	7.4	< 0.33	< 0.33	< 0.33	< 1.65	< 1.65	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33
2,4,6-Trichlorophenol	7.4	< 0.33	< 0.33	< 0.33	< 1.65	< 1.65	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33

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Compound	LDR (mg/kg)	Sample, Date Collected, and Concentration (mg/kg)									
		C2-3-36 2/24/97	C2-3-72 2/24/97	C2-4-60 2/24/97	C2-4-72 2/24/97	C2-5-46 2/24/97	C3-1-36 2/24/97	C3-2-72 2/25/97	C3-3-60 2/25/97	C3-4-36 2/25/97	C3-4-58 2/25/97
<b>Field Screening</b>											
Total VOCs	NA	72.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
<b>Volatile Organic Compounds</b>											
Acetone	160	< 0.025	0.10	0.40	0.30	0.34	0.82	< 0.025	0.88	0.26	0.22
Acetonitrile	1.8	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
Acrylonitrile	84	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025
Benzene	10	< 0.025	< 0.025	< 0.025	0.030	< 0.025	0.053	< 0.025	0.096	< 0.025	0.028
Bromodichloromethane	15	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025
Methyl bromide	15	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025
n-Butyl alcohol	2.6	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
Carbon tetrachloride	6	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025
Chlorobenzene	6	< 0.025	0.031	0.065	0.029	0.054	0.036	0.029	0.011	0.027	0.76
2-Chloroprene	0.3	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025
Dibromochloromethane	15	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025
Chloroethane	6	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025
Chloroform	6	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	0.036	< 0.025	0.033	< 0.025	< 0.025
Methyl chloride	30	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025
Allyl chloride	30	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025
Ethylene dibromide	15	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025
1,2-Dibromo-3-chloropropane	15	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025
Dibromomethane	15	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025
Dichlorodifluoromethane	7.2	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025
1,1-Dichloroethane	6	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025
1,2-Dichloroethane	6	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025
1,1-Dichloroethylene	6	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025
trans-1,2-Dichloroethylene	30	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025
1,2-Dichloropropane	18	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025
cis-1,3-Dichloropropene	18	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025
trans-1,3-Dichloropropene	18	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025
Ethyl acetate	33	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025
Propionitrile	360	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0

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Compound	LDR (mg/kg)	Sample, Date Collected, and Concentration (mg/kg)									
		C2-3-36 2/24/97	C2-3-72 2/24/97	C2-4-60 2/24/97	C2-4-72 2/24/97	C2-5-46 2/24/97	C3-1-36 2/24/97	C3-2-72 2/25/97	C3-3-60 2/25/97	C3-4-36 2/25/97	C3-4-58 2/25/97
<b>Volatile Organic Compounds (cont.)</b>											
Ethylbenzene	10	0.10	0.47	0.10	0.10	0.047	0.74	0.34	0.58	0.27	7.6
Ethyl ether	160	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025
Ethyl methacrylate	160	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025
Iodomethane	65	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025
Isobutanol	170	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0
Methacrylonitrile	84	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025
Methylene chloride	30	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	0.088	< 0.025	< 0.025
2-Butanone	36	< 0.025	< 0.025	0.026	0.029	0.053	0.038	< 0.025	0.53	0.17	0.082
4-Methyl-2-pentanone	33	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	0.092	< 0.025	0.13	0.035	< 0.025
Methyl methacrylate	160	0.035	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025
1,1,1,2-Tetrachloroethane	6	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025
1,1,2,2-Tetrachloroethane	6	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025
Tetrachloroethylene	6	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025
Toluene	10	0.24	0.12	0.18	0.30	0.087	0.11	0.029	0.91	0.32	0.45
Bromoform	15	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025
1,1,1-Trichloroethane	6	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025
1,1,2-Trichloroethane	6	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025
Trichloroethylene	6	0.86	0.12	< 0.025	0.030	0.062	0.082	< 0.025	0.76	0.55	0.064
Trichlorofluoromethane	30	0.13	0.088	< 0.025	< 0.025	0.026	< 0.025	< 0.025	0.064	< 0.025	< 0.025
1,2,3-Trichloropropane	30	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025
1,1,2-Trichlorofluoroethane	30	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025
Vinyl chloride	6	< 0.025	0.14	0.19	0.055	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025
Xylenes (Total)	30	0.16	0.11	0.18	0.24	0.092	0.23	0.064	0.24	0.78	1.3
<b>Semivolatile Organic Compounds</b>											
Acenaphthylene	3.4	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33
Acenaphthene	3.4	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33
Acetophenone	9.7	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33
2-Acetylaminofluorene	140	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67
Aniline	14	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33
Anthracene	3.4	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33

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Compound	LDR (mg/kg)	Sample, Date Collected, and Concentration (mg/kg)									
		C2-3-36 2/24/97	C2-3-72 2/24/97	C2-4-60 2/24/97	C2-4-72 2/24/97	C2-5-46 2/24/97	C3-1-36 2/24/97	C3-2-72 2/25/97	C3-3-60 2/25/97	C3-4-36 2/25/97	C3-4-58 2/25/97
<b>Semivolatile Organic Compounds (cont.)</b>											
Benzo(a)anthracene	3.4	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33
Benzo(b)fluoranthene	6.8	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33
Benzo(k)fluoranthene	6.8	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33
Benzo(g,h,i)perylene	1.8	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33
Benzo(a)pyrene	3.4	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33
4-Bromophenyl phenyl ether	15	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33
Butyl benzyl phthalate	28	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66
Dinoseb	2.5	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67
4-Chloroaniline	16	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33
bis(2-Chloroethoxy)methane	7.2	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33
bis(2-Chloroethyl)ether	6	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33
bis(2-Chloroisopropyl)ether	7.2	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33
4-Chloro-3-methylphenol	14	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66
2-Chloronaphthalene	5.6	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33
2-Chlorophenol	5.7	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33
Chrysene	3.4	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33
2-Methylphenol	5.6	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66
3/4-Methylphenol	5.6	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66
Dibenz(a,h)anthracene	8.2	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66
1,3-Dichlorobenzene	6	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33
1,2-Dichlorobenzene	6	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33
1,4-Dichlorobenzene	6	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33
2,4-Dichlorophenol	14	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66
2,6-Dichlorophenol	14	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33
Diethyl phthalate	28	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33
2-4-Dimethylphenol	14	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33
Dimethyl phthalate	28	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33
Di-n-butyl phthalate	28	0.27	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33
1,4-Dinitrobenzene	2.3	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67
4,6-Dinitro-o-cresol	160	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67
2,4-Dinitrophenol	160	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67

**Table 1**  
**Summary of Laboratory Analyses**  
**CLTL Terminal**  
**Institute, West Virginia**  
**WEG Project No. HG-4812-96**

Compound	LDR (mg/kg)	Sample, Date Collected, and Concentration (mg/kg)									
		C2-3-36 2/24/97	C2-3-72 2/24/97	C2-4-60 2/24/97	C2-4-72 2/24/97	C2-5-46 2/24/97	C3-1-36 2/24/97	C3-2-72 2/25/97	C3-3-60 2/25/97	C3-4-36 2/25/97	C3-4-58 2/25/97
<b>Semivolatile Organic Compounds (cont.)</b>											
2,4-Dinitrotoluene	140	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67
2,6-Dinitrotoluene	28	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67
Di-n-octyl phthalate	28	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66
N-Nitrosodi-n-propylamine	14	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66
Diphenylamine	13	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66
N-Nitroso-Diphenylamine	13	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66
bis (2-Ethylhexyl) phthalate	28	10	2.4	3.3	2.2	3.1	5.0	< 0.33	2.0	0.91	3.4
Fluoranthene	3.4	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33
Fluorene	3.4	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33
Hexachlorobenzene	10	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33
Hexachlorobutadiene	5.6	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66
Hexachlorocyclopentadiene	2.4	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67
Hexachloroethane	30	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67
Hexachloropropene	30	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67
Indeno (1,2,3-c,d) pyrene	3.4	< 1.66	< 1.66	< 1.66	< 1.66	< 1.66	< 1.66	< 1.66	< 1.66	< 1.66	< 1.66
Isosafrole	2.6	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33
Methapyrilene	1.5	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
3-Methylcholanthrene	15	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66
4,4'-Methylene-bis (2-chloroaniline)	30	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66
Naphthalene	5.6	2.7	1.4	< 0.33	< 0.33	1.4	3.7	< 0.33	3.4	< 0.33	5.5
2-Nitroaniline	14	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67
4-Nitroaniline	28	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67
Nitrobenzene	14	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33
5-Nitro-o-toluidine	28	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67
2-Nitrophenol	13	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66
4-Nitrophenol	29	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67
N-Nitrosodiethylamine	28	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33
N-Nitrosodimethylamine	2.3	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66
N-Nitroso-di-n-butylamine	17	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66
N-Nitrosomethylmethylethylamine	2.3	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67
N-Nitrosomorpholine	2.3	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67

**Table 1**  
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Compound	LDR (mg/kg)	Sample, Date Collected, and Concentration (mg/kg)									
		C2-3-36 2/24/97	C2-3-72 2/24/97	C2-4-60 2/24/97	C2-4-72 2/24/97	C2-5-46 2/24/97	C3-1-36 2/24/97	C3-2-72 2/25/97	C3-3-60 2/25/97	C3-4-36 2/25/97	C3-4-58 2/25/97
<b><u>Semivolatile Organic Compounds (cont.)</u></b>											
N-Nitrosopiperidine	35	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33
N-Nitrosopyrrolidine	35	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67
Pentachlorobenzene	10	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33
Pentachloroethane	6	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33
Pentachloronitrobenzene	4.8	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67
Pentachlorophenol	7.4	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67
Phenacetin	16	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67
Phenanthrene	5.6	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33
Phenol	6.2	< 0.66	< 0.66	< 0.66	< 0.66	0.76	3.7	< 0.66	2.6	< 0.66	1.8
Pronamide	1.5	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67
Pyrene	8.2	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33
Pyridine	16	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67
Safrole	22	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33
1,2,4,5-Tetrachlorobenzene	14	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33
2,3,4,6-Tetrachlorophenol	7.4	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33
1,2,4-Trichlorobenzene	19	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	0.43
2,4,5-Trichlorophenol	7.4	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33
2,4,6-Trichlorophenol	7.4	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33

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Compound	LDR (mg/kg)	Sample, Date Collected, and Concentration (mg/kg)									
		C3-5-24 2/25/97	C3-5-70 2/25/97	C3-6-72 2/25/97	C3-7-36 2/25/97	C3-7-66 2/25/97	C3-8-36 2/25/97	C3-8-68 2/25/97	C3-8-68D 2/25/97	C3-9-24 2/25/97	C3-9-62 2/25/97
<b>Field Screening</b>											
Total VOCs	NA	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	NA
<b>Volatile Organic Compounds</b>											
Acetone	160	< 0.025	0.14	0.31	0.041	0.64	0.097	0.30	0.18	< 0.025	0.49
Acetonitrile	1.8	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
Acrylonitrile	84	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025
Benzene	10	< 0.025	0.040	0.031	< 0.025	0.031	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025
Bromodichloromethane	15	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025
Methyl bromide	15	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025
n-Butyl alcohol	2.6	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
Carbon tetrachloride	6	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025
Chlorobenzene	6	< 0.025	0.45	0.83	0.58	0.57	0.16	0.064	< 0.025	< 0.025	0.087
2-Chloroprene	0.3	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025
Dibromochloromethane	15	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025
Chloroethane	6	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025
Chloroform	6	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	0.050
Methyl chloride	30	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025
Allyl chloride	30	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025
Ethylene dibromide	15	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025
1,2-Dibromo-3-chloropropane	15	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025
Dibromomethane	15	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025
Dichlorodifluoromethane	7.2	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025
1,1-Dichloroethane	6	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025
1,2-Dichloroethane	6	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025
1,1-Dichloroethene	6	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025
trans-1,2-Dichloroethene	30	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025
1,2-Dichloropropane	18	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025
cis-1,3-Dichloropropene	18	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025
trans-1,3-Dichloropropene	18	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025
Ethyl acetate	33	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025
Propionitrile	360	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0

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Compound	LDR (mg/kg)	Sample, Date Collected, and Concentration (mg/kg)									
		C3-5-24 2/25/97	C3-5-70 2/25/97	C3-6-72 2/25/97	C3-7-36 2/25/97	C3-7-66 2/25/97	C3-8-36 2/25/97	C3-8-68 2/25/97	C3-8-68D 2/25/97	C3-9-24 2/25/97	C3-9-62 2/25/97
<b>Volatile Organic Compounds (cont.)</b>											
Ethylbenzene	10	< 0.025	2.9	16.0	2.0	9.4	11.5	10.97	10.50	< 0.025	1.94
Ethyl ether	160	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025
Ethyl methacrylate	160	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025
Iodomethane	65	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025
Isobutanol	170	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0
Methacrylonitrile	84	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025
Methylene chloride	30	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025
2-Butanone	36	< 0.025	10.10	10.29	< 0.025	10.21	< 0.025	10.41	< 0.025	< 0.025	10.30
4-Methyl-2-pentanone	33	< 0.025	10.030	< 0.025	< 0.025	10.66	< 0.025	10.034	< 0.025	< 0.025	10.26
Methyl methacrylate	160	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025
1,1,1,2-Tetrachloroethane	6	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025
1,1,2,2-Tetrachloroethane	6	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025
Tetrachloroethene	6	0.085	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	0.056
Toluene	10	< 0.025	10.52	10.71	10.13	10.66	10.61	10.15	10.051	< 0.025	10.57
Bromoform	15	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025
1,1,1-Trichloroethane	6	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025
1,1,2-Trichloroethane	6	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025
Trichloroethene	6	< 0.025	0.67	10.21	< 0.025	0.064	< 0.025	0.039	0.027	< 0.025	0.69
Trichlorofluoromethane	30	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	0.50
1,2,3-Trichloropropane	30	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025
1,1,2-Trichlorofluoroethane	30	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025
Vinyl chloride	6	< 0.025	< 0.025	< 0.025	< 0.025	0.045	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025
Xylenes (Total)	30	< 0.025	11.3	15.5	11.0	11.1	10.20	10.2	10.32	< 0.025	10.69
<b>Semivolatile Organic Compounds</b>											
Acenaphthylene	3.4	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33
Acenaphthene	3.4	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33
Acetophenone	9.7	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33
2-Acetylaminofluorene	140	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67
Aniline	14	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33
Anthracene	3.4	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33

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Compound	LDR (mg/kg)	Sample, Date Collected, and Concentration (mg/kg)									
		C3-5-24 2/25/97	C3-5-70 2/25/97	C3-6-72 2/25/97	C3-7-36 2/25/97	C3-7-66 2/25/97	C3-8-36 2/25/97	C3-8-68 2/25/97	C3-8-68D 2/25/97	C3-9-24 2/25/97	C3-9-62 2/25/97
<b>Semivolatile Organic Compounds (cont.)</b>											
Benzo(a)anthracene	3.4	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33
Benzo(b)fluoranthene	6.8	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33
Benzo(k)fluoranthene	6.8	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33
Benzo(g,h,i)perylene	1.8	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33
Benzo(a)pyrene	3.4	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33
4-Bromophenyl phenyl ether	15	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33
Butyl benzyl phthalate	28	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66
Dinoseb	2.5	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67
4-Chloroaniline	16	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33
bis(2-Chloroethoxy)methane	7.2	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33
bis(2-Chloroethyl)ether	6	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33
bis(2-Chloroisopropyl)ether	7.2	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33
4-Chloro-3-methylphenol	14	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66
2-Chloronaphthalene	5.6	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33
2-Chlorophenol	5.7	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33
Chrysene	3.4	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33
2-Methylphenol	5.6	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66
3,4-Methylphenol	5.6	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66
Dibenz(a,h)anthracene	8.2	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66
1,3-Dichlorobenzene	6	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33
1,2-Dichlorobenzene	6	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33
1,4-Dichlorobenzene	6	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33
2,4-Dichlorophenol	14	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66
2,6-Dichlorophenol	14	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33
Diethyl phthalate	28	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33
2,4-Dimethylphenol	14	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33
Dimethyl phthalate	28	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33
Di-n-butyl phthalate	28	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33
1,4-Dinitrobenzene	2.3	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67
4,6-Dinitro-o-cresol	160	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67
2,4-Dinitrophenol	160	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67

**Table 1**  
**Summary of Laboratory Analyses**  
**CLTL Terminal**  
**Institute, West Virginia**  
**WEG Project No. HG-4812-96**

Compound	LDR (mg/kg)	Sample, Date Collected, and Concentration (mg/kg)									
		C3-5-24 2/25/97	C3-5-70 2/25/97	C3-6-72 2/25/97	C3-7-36 2/25/97	C3-7-66 2/25/97	C3-8-36 2/25/97	C3-8-68 2/25/97	C3-8-68D 2/25/97	C3-9-24 2/25/97	C3-9-62 2/25/97
<b>Semivolatile Organic Compounds (cont.)</b>											
2,4-Dinitrotoluene	140	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67
2,6-Dinitrotoluene	28	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67
Di-n-octyl phthalate	28	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66
N-Nitrosodi-n-propylamine	14	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66
Diphenylamine	13	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66
N-Nitroso-Diphenylamine	13	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66
bis (2-Ethylhexyl) phthalate	28	1.1	1.8	0.39	3.8	4.3	3.4	4.7	3.4	1.0	4.2
Fluoranthene	3.4	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33
Fluorene	3.4	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33
Hexachlorobenzene	10	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33
Hexachlorobutadiene	5.6	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66
Hexachlorocyclopentadiene	2.4	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67
Hexachloroethane	30	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67
Hexachloropropene	30	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67
Indeno (1,2,3-c,d) pyrene	3.4	< 1.66	< 1.66	< 1.66	< 1.66	< 1.66	< 1.66	< 1.66	< 1.66	< 1.66	< 1.66
Isosafrole	2.6	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33
Methapyrilene	1.5	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
3-Methylcholanthrene	15	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66
4,4'-Methylene-bis (2-chloroaniline)	30	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66
Naphthalene	5.6	< 0.33	5.3	0.57	0.49	0.69	0.79	1.1	1.3	< 0.33	5.4
2-Nitroaniline	14	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67
4-Nitroaniline	28	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67
Nitrobenzene	14	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33
5-Nitro-o-toluidine	28	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67
2-Nitrophenol	13	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66
4-Nitrophenol	29	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67
N-Nitrosodiethylamine	28	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33
N-Nitrosodimethylamine	2.3	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66
N-Nitroso-di-n-butylamine	17	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66
N-Nitrosomethylethylamine	2.3	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67
N-Nitrosomorpholine	2.3	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67

**Table 1**  
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**CLTL Terminal**  
**Institute, West Virginia**  
**WEG Project No. HG-4812-96**

Compound	LDR (mg/kg)	Sample, Date Collected, and Concentration (mg/kg)									
		C3-5-24 2/25/97	C3-5-70 2/25/97	C3-6-72 2/25/97	C3-7-36 2/25/97	C3-7-66 2/25/97	C3-8-36 2/25/97	C3-8-68 2/25/97	C3-8-68D 2/25/97	C3-9-24 2/25/97	C3-9-62 2/25/97
<b><u>Semivolatile Organic Compounds (cont.)</u></b>											
N-Nitrosopiperidine	35	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33
N-Nitrosopyrrolidine	35	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67
Pentachlorobenzene	10	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33
Pentachloroethane	6	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33
Pentachloronitrobenzene	4.8	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67
Pentachlorophenol	7.4	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67
Phenacetin	16	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67
Phenanthrene	5.6	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33
Phenol	6.2	< 0.66	0.78	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66
Pronamide	1.5	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67
Pyrene	8.2	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33
Pyridine	16	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67
Safrole	22	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33
1,2,4,5-Tetrachlorobenzene	14	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33
2,3,4,6-Tetrachlorophenol	7.4	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33
1,2,4-Trichlorobenzene	19	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33
2,4,5-Trichlorophenol	7.4	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33
2,4,6-Trichlorophenol	7.4	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33

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Compound	LDR (mg/kg)	Sample, Date Collected, and Concentration (mg/kg)									
		C3-10-44 2/25/97	C4-1-24 2/25/97	C4-1-46 2/25/97	C4-2-48 2/25/97	C4-2-58 2/25/97	C4-3-24 2/25/97	C4-3-58 2/25/97	C4-4-45 2/25/97	C4-5-60 2/25/97	C4-5-78 2/25/97
<b>Field Screening</b>											
Total VOCs	NA	0.0	0.0	0.0	0.0	36.4	0.0	12.3	0.0	92.1	0.0
<b>Volatile Organic Compounds</b>											
Acetone	160	< 0.025	< 0.025	1.3	0.30	1.6	< 0.025	1.8	1.7	< 0.025	0.51
Acetonitrile	1.8	< 0.5	< 0.5	< 0.5	< 0.5	< 12.5	< 0.5	< 0.5	< 12.5	< 0.5	< 0.5
Acrylonitrile	84	< 0.025	< 0.025	< 0.025	< 0.025	< 0.625	< 0.025	< 0.025	< 0.625	< 0.025	< 0.025
Benzene	10	< 0.025	< 0.025	0.14	0.027	< 0.625	< 0.025	< 0.025	< 0.625	< 0.025	0.35
Bromodichloromethane	15	< 0.025	< 0.025	< 0.025	< 0.025	< 0.625	< 0.025	< 0.025	< 0.625	< 0.025	< 0.025
Methyl bromide	15	< 0.025	< 0.025	< 0.025	< 0.025	< 0.625	< 0.025	< 0.025	< 0.625	< 0.025	< 0.025
n-Butyl alcohol	2.6	< 0.5	< 0.5	< 0.5	< 0.5	< 12.5	< 0.5	< 0.5	< 12.5	< 0.5	< 0.5
Carbon tetrachloride	6	< 0.025	< 0.025	< 0.025	< 0.025	< 0.625	< 0.025	< 0.025	< 0.625	< 0.025	< 0.025
Chlorobenzene	6	< 0.025	< 0.025	2.3	0.40	4.5	< 0.025	1.4	2.8	< 0.025	0.68
2-Chloroprene	0.3	< 0.025	< 0.025	< 0.025	< 0.025	< 0.625	< 0.025	< 0.025	< 0.625	< 0.025	< 0.025
Dibromochloromethane	15	< 0.025	< 0.025	< 0.025	< 0.025	< 0.625	< 0.025	< 0.025	< 0.625	< 0.025	< 0.025
Chloroethane	6	< 0.025	< 0.025	< 0.025	< 0.025	< 0.625	< 0.025	< 0.025	< 0.625	< 0.025	< 0.025
Chloroform	6	< 0.025	< 0.025	0.034	< 0.025	< 0.625	< 0.025	< 0.025	< 0.625	< 0.025	0.057
Methyl chloride	30	< 0.025	< 0.025	< 0.025	< 0.025	< 0.625	< 0.025	< 0.025	< 0.625	< 0.025	< 0.025
Allyl chloride	30	< 0.025	< 0.025	< 0.025	< 0.025	< 0.625	< 0.025	< 0.025	< 0.625	< 0.025	< 0.025
Ethylene dibromide	15	< 0.025	< 0.025	< 0.025	< 0.025	< 0.625	< 0.025	< 0.025	< 0.625	< 0.025	< 0.025
1,2-Dibromo-3-chloropropane	15	< 0.025	< 0.025	< 0.025	< 0.025	< 0.625	< 0.025	< 0.025	< 0.625	< 0.025	< 0.025
Dibromomethane	15	< 0.025	< 0.025	< 0.025	< 0.025	< 0.625	< 0.025	< 0.025	< 0.625	< 0.025	< 0.025
Dichlorodifluoromethane	7.2	< 0.025	< 0.025	< 0.025	< 0.025	< 0.625	< 0.025	< 0.025	< 0.625	< 0.025	< 0.025
1,1-Dichloroethane	6	< 0.025	< 0.025	< 0.025	< 0.025	< 0.625	< 0.025	< 0.025	< 0.625	< 0.025	< 0.025
1,2-Dichloroethane	6	< 0.025	< 0.025	< 0.025	< 0.025	< 0.625	< 0.025	< 0.025	< 0.625	< 0.025	< 0.025
1,1-Dichloroethene	6	< 0.025	< 0.025	< 0.025	< 0.025	< 0.625	< 0.025	< 0.025	< 0.625	< 0.025	< 0.025
trans-1,2-Dichloroethene	30	< 0.025	< 0.025	< 0.025	< 0.025	< 0.625	< 0.025	< 0.025	< 0.625	< 0.025	< 0.025
1,2-Dichloropropane	18	< 0.025	< 0.025	< 0.025	< 0.025	< 0.625	< 0.025	< 0.025	< 0.625	< 0.025	< 0.025
cis-1,3-Dichloropropene	18	< 0.025	< 0.025	< 0.025	< 0.025	< 0.625	< 0.025	< 0.025	< 0.625	< 0.025	< 0.025
trans-1,3-Dichloropropene	18	< 0.025	< 0.025	< 0.025	< 0.025	< 0.625	< 0.025	< 0.025	< 0.625	< 0.025	< 0.025
Ethyl acetate	33	< 0.025	< 0.025	< 0.025	< 0.025	< 0.625	< 0.025	< 0.025	< 0.625	< 0.025	< 0.025
Propionitrile	360	< 2.0	< 2.0	< 2.0	< 2.0	< 50	< 2.0	< 2.0	< 50	< 2.0	< 2.0

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Compound	LDR (mg/kg)	Sample, Date Collected, and Concentration (mg/kg)									
		C3-10-44 2/25/97	C4-1-24 2/25/97	C4-1-46 2/25/97	C4-2-48 2/25/97	C4-2-58 2/25/97	C4-3-24 2/25/97	C4-3-58 2/25/97	C4-4-45 2/25/97	C4-5-60 2/25/97	C4-5-78 2/25/97
<b>Volatile Organic Compounds (cont.)</b>											
Ethylbenzene	10	0.060	< 0.025	9.2	1.2	11	0.041	5.0	12	0.079	3.5
Ethyl ether	160	< 0.025	< 0.025	< 0.025	< 0.025	< 0.625	< 0.025	< 0.025	< 0.625	< 0.025	< 0.025
Ethyl methacrylate	160	< 0.025	< 0.025	< 0.025	< 0.025	< 0.625	< 0.025	< 0.025	< 0.625	< 0.025	< 0.025
Iodomethane	65	< 0.025	< 0.025	< 0.025	< 0.025	< 0.625	< 0.025	< 0.025	< 0.625	< 0.025	< 0.025
Isobutanol	170	< 2.0	< 2.0	< 2.0	< 2.0	< 50	< 2.0	< 2.0	< 50	< 2.0	< 2.0
Methacrylonitrile	84	< 0.025	< 0.025	< 0.025	< 0.025	< 0.625	< 0.025	< 0.025	< 0.625	< 0.025	< 0.025
Methylene chloride	30	< 0.025	< 0.025	0.74	0.054	1.4	< 0.025	< 0.025	< 0.625	< 0.025	1.2
2-Butanone	36	< 0.025	< 0.025	0.41	0.077	< 0.625	< 0.025	0.95	0.69	< 0.025	0.33
4-Methyl-2-pentanone	33	< 0.025	< 0.025	0.072	< 0.025	< 0.625	< 0.025	< 0.025	< 0.625	< 0.025	0.16
Methyl methacrylate	160	< 0.025	< 0.025	< 0.025	< 0.025	< 0.625	< 0.025	< 0.025	< 0.625	< 0.025	< 0.025
1,1,1,2-Tetrachloroethane	6	< 0.025	< 0.025	< 0.025	< 0.025	< 0.625	< 0.025	< 0.025	< 0.625	< 0.025	< 0.025
1,1,2,2-Tetrachloroethane	6	< 0.025	< 0.025	< 0.025	< 0.025	< 0.625	< 0.025	< 0.025	< 0.625	< 0.025	< 0.025
Tetrachloroethene	6	< 0.025	< 0.025	< 0.025	< 0.025	< 0.625	< 0.025	< 0.025	< 0.625	< 0.025	< 0.025
Toluene	10	< 0.025	< 0.025	1.5	0.42	6.6	< 0.025	0.97	1.9	< 0.025	0.50
Bromoform	15	< 0.025	< 0.025	< 0.025	< 0.025	< 0.625	< 0.025	< 0.025	< 0.625	< 0.025	< 0.025
1,1,1-Trichloroethane	6	< 0.025	< 0.025	< 0.025	< 0.025	< 0.625	< 0.025	< 0.025	< 0.625	< 0.025	< 0.025
1,1,2-Trichloroethane	6	< 0.025	< 0.025	< 0.025	< 0.025	< 0.625	< 0.025	< 0.025	< 0.625	< 0.025	< 0.025
Trichloroethene	6	0.028	< 0.025	0.91	0.094	1.5	< 0.025	0.73	0.91	< 0.025	1.2
Trichlorofluoromethane	30	< 0.025	< 0.025	0.11	< 0.025	< 0.625	< 0.025	< 0.025	< 0.625	< 0.025	0.20
1,2,3-Trichloropropane	30	< 0.025	< 0.025	< 0.025	< 0.025	< 0.625	< 0.025	< 0.025	< 0.625	< 0.025	< 0.025
1,1,2-Trichlorofluoroethane	30	< 0.025	< 0.025	< 0.025	< 0.025	< 0.625	< 0.025	< 0.025	< 0.625	< 0.025	< 0.025
Vinyl chloride	6	< 0.025	< 0.025	< 0.025	< 0.025	< 0.625	< 0.025	< 0.025	< 0.625	< 0.025	< 0.025
Xylenes (Total)	30	0.083	< 0.025	11	0.96	12	< 0.025	6.2	10	< 0.025	1.3
<b>Semivolatile Organic Compounds</b>											
Acenaphthylene	3.4	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33
Acenaphthene	3.4	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33
Acetophenone	9.7	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33
2-Acetylaminofluorene	140	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67
Aniline	14	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33
Anthracene	3.4	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33

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**CLTL Terminal**  
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Compound	LDR (mg/kg)	Sample, Date Collected, and Concentration (mg/kg)									
		C3-10-44 2/25/97	C4-1-24 2/25/97	C4-1-46 2/25/97	C4-2-48 2/25/97	C4-2-58 2/25/97	C4-3-24 2/25/97	C4-3-58 2/25/97	C4-4-45 2/25/97	C4-5-60 2/25/97	C4-5-78 2/25/97
<b>Semivolatile Organic Compounds (cont.)</b>											
Benzo(a)anthracene	3.4	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33
Benzo(b)fluoranthene	6.8	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33
Benzo(k)fluoranthene	6.8	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33
Benzo(g,h,i)perylene	1.8	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33
Benzo(a)pyrene	3.4	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33
4-Bromophenyl phenyl ether	15	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33
Butyl benzyl phthalate	28	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	0.67	< 0.66
Dinoseb	2.5	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67
4-Chloroaniline	16	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33
bis(2-Chloroethoxy)methane	7.2	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33
bis(2-Chloroethyl)ether	6	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33
bis(2-Chloroisopropyl)ether	7.2	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33
4-Chloro-3-methylphenol	14	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66
2-Chloronaphthalene	5.6	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33
2-Chlorophenol	5.7	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33
Chrysene	3.4	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33
2-Methylphenol	5.6	< 0.66	< 0.66	0.38	< 0.66	< 0.66	< 0.66	0.43	< 0.66	< 0.66	< 0.66
3,4-Methylphenol	5.6	< 0.66	< 0.66	0.94	< 0.66	1.4	< 0.66	1.3	2.7	1.9	0.84
Dibenz(a,h)anthracene	8.2	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66
1,3-Dichlorobenzene	6	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33
1,2-Dichlorobenzene	6	< 0.33	< 0.33	< 0.33	< 0.33	0.52	< 0.33	< 0.33	0.84	0.39	< 0.33
1,4-Dichlorobenzene	6	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33
2,4-Dichlorophenol	14	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66
2,6-Dichlorophenol	14	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33
Diethyl phthalate	28	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33
2,4-Dimethylphenol	14	< 0.33	< 0.33	0.58	< 0.33	0.93	< 0.33	0.62	0.98	0.93	< 0.33
Dimethyl phthalate	28	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33
Di-n-butyl phthalate	28	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	0.72	< 0.33
1,4-Dinitrobenzene	2.3	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67
4,6-Dinitro-o-cresol	160	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67
2,4-Dinitrophenol	160	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67

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Compound	LDR (mg/kg)	Sample, Date Collected, and Concentration (mg/kg)									
		C3-10-44 2/25/97	C4-1-24 2/25/97	C4-1-46 2/25/97	C4-2-48 2/25/97	C4-2-58 2/25/97	C4-3-24 2/25/97	C4-3-58 2/25/97	C4-4-45 2/25/97	C4-5-60 2/25/97	C4-5-78 2/25/97
<b>Semivolatile Organic Compounds (cont.)</b>											
2,4-Dinitrotoluene	140	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67
2,6-Dinitrotoluene	28	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67
Di-n-octyl phthalate	28	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66
N-Nitrosodi-n-propylamine	14	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66
Diphenylamine	13	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66
N-Nitroso-Diphenylamine	13	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	0.69	< 0.66
bis (2-Ethylhexyl) phthalate	28	1.8	5.4	3.8	1.7	4.6	1.8	4.6	6.3	6.0	3.0
Fluoranthene	3.4	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33
Fluorene	3.4	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33
Hexachlorobenzene	10	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33
Hexachlorobutadiene	5.6	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66
Hexachlorocyclopentadiene	2.4	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67
Hexachloroethane	30	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67
Hexachloropropene	30	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67
Indeno (1,2,3-c,d) pyrene	3.4	< 1.66	< 1.66	< 1.66	< 1.66	< 1.66	< 1.66	< 1.66	< 1.66	< 1.66	< 1.66
Isosafrole	2.6	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33
Methapyrilene	1.5	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
3-Methylcholanthrene	15	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66
4,4'-Methylene-bis (2-chloroaniline)	30	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66
Naphthalene	5.6	0.42	0.54	2.6	1.0	16	< 0.33	5.8	6.7	2.5	4.5
2-Nitroaniline	14	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67
4-Nitroaniline	28	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67
Nitrobenzene	14	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33
5-Nitro-o-toluidine	28	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67
2-Nitrophenol	13	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66
4-Nitrophenol	29	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67
N-Nitrosodiethylamine	28	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33
N-Nitrosodimethylamine	2.3	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66
N-Nitroso-di-n-butylamine	17	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66
N-Nitrosomethylethylamine	2.3	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67
N-Nitrosomorpholine	2.3	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67

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Compound	LDR (mg/kg)	Sample, Date Collected, and Concentration (mg/kg)									
		C3-10-44 2/25/97	C4-1-24 2/25/97	C4-1-46 2/25/97	C4-2-48 2/25/97	C4-2-58 2/25/97	C4-3-24 2/25/97	C4-3-58 2/25/97	C4-4-45 2/25/97	C4-5-60 2/25/97	C4-5-78 2/25/97
<b>Semivolatile Organic Compounds (cont.)</b>											
N-Nitrosopiperidine	35	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33
N-Nitrosopyrrolidine	35	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67
Pentachlorobenzene	10	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33
Pentachloroethane	6	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33
Pentachloronitrobenzene	4.8	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67
Pentachlorophenol	7.4	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67
Phenacetin	16	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67
Phenanthrene	5.6	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33
Phenol	6.2	< 0.66	< 0.66	3.9	< 0.66	6.2	< 0.66	4.8	3.3	1.2	3.2
Pronamide	1.5	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67
Pyrene	8.2	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33
Pyridine	16	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67
Safrole	22	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33
1,2,4,5-Tetrachlorobenzene	14	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33
2,3,4,6-Tetrachlorophenol	7.4	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33
1,2,4-Trichlorobenzene	19	< 0.33	< 0.33	< 0.33	< 0.33	0.53	< 0.33	0.64	0.66	0.46	< 0.33
2,4,5-Trichlorophenol	7.4	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33
2,4,6-Trichlorophenol	7.4	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33

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Compound	LDR (mg/kg)	Sample, Date Collected, and Concentration (mg/kg)									
		C4-6-24 2/25/97	C4-6-76 2/25/97	C4-7-76 2/25/97	C4-8-48 2/26/97	C4-8-88 2/26/97	C4-9-60 2/26/97	C4-9-92 2/26/97	C4-10-83 2/26/97	C4-11-60 2/26/97	C4-11-82 2/26/97
<b>Field Screening</b>											
Total VOCs	NA	0.0	NA	0.0	0.0	0.0	0.0	0.0	0.0	0.0	120
<b>Volatile Organic Compounds</b>											
Acetone	160	< 0.025	2.3	0.68	0.86	1.2	0.11	1.6	1.0	0.26	1.8
Acetonitrile	1.8	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	3.4	< 0.5	< 0.5	< 0.5
Acrylonitrile	84	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025
Benzene	10	< 0.025	0.48	0.14	0.068	0.040	< 0.025	0.098	0.091	< 0.025	0.14
Bromodichloromethane	15	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025
Methyl bromide	15	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025
n-Butyl alcohol	2.6	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
Carbon tetrachloride	6	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025
Chlorobenzene	6	< 0.025	2.5	1.1	0.69	0.61	0.96	0.76	1.1	0.19	0.34
2-Chloroprene	0.3	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025
Dibromochloromethane	15	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025
Chloroethane	6	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025
Chloroform	6	< 0.025	0.060	0.035	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025
Methyl chloride	30	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	0.042
Allyl chloride	30	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025
Ethylene dibromide	15	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025
1,2-Dibromo-3-chloropropane	15	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025
Dibromomethane	15	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025
Dichlorodifluoromethane	7.2	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025
1,1-Dichloroethane	6	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025
1,2-Dichloroethane	6	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025
1,1-Dichloroethylene	6	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025
trans-1,2-Dichloroethene	30	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025
1,2-Dichloropropane	18	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025
cis-1,3-Dichloropropene	18	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025
trans-1,3-Dichloropropene	18	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025
Ethyl acetate	33	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025
Propionitrile	360	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0

**Table 1**  
**Summary of Laboratory Analyses**  
**CLTL Terminal**  
**Institute, West Virginia**  
**WEG Project No. HG-4812-96**

Compound	LDR (mg/kg)	Sample, Date Collected, and Concentration (mg/kg)									
		C4-6-24 2/25/97	C4-6-76 2/25/97	C4-7-76 2/25/97	C4-8-48 2/26/97	C4-8-88 2/26/97	C4-9-60 2/26/97	C4-9-92 2/26/97	C4-10-83 2/26/97	C4-11-60 2/26/97	C4-11-82 2/26/97
<b>Volatile Organic Compounds (cont.)</b>											
Ethylbenzene	10	0.031	5.4	5.1	2.7	4.0	2.6	3.0	3.8	0.36	110
Ethyl ether	160	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025
Ethyl methacrylate	160	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025
Iodomethane	65	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025
Isobutanol	170	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0
Methacrylonitrile	84	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025
Methylene chloride	30	< 0.025	0.46	1.0	0.15	0.71	< 0.025	0.78	0.70	0.030	1.8
2-Butanone	36	< 0.025	0.73	0.25	0.22	0.14	< 0.025	0.32	0.22	0.026	0.52
4-Methyl-2-pentanone	33	< 0.025	0.26	0.075	0.12	0.055	< 0.025	0.070	0.074	< 0.025	0.18
Methyl methacrylate	160	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025
1,1,1,2-Tetrachloroethane	6	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025
1,1,2,2-Tetrachloroethane	6	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025
Tetrachloroethylene	6	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025
Toluene	10	< 0.025	2.0	1.4	0.75	0.73	0.18	0.56	0.41	0.12	7.5
Bromoform	15	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025
1,1,1-Trichloroethane	6	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025
1,1,2-Trichloroethane	6	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025
Trichloroethylene	6	< 0.025	0.63	0.71	0.38	0.23	< 0.025	0.54	0.52	0.070	6.3
Trichlorofluoromethane	30	< 0.025	0.22	0.32	0.11	< 0.025	< 0.025	0.30	0.12	< 0.025	0.62
1,2,3-Trichloropropane	30	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	0.086	< 0.025	< 0.025	< 0.025	< 0.025
1,1,2-Trichlorofluoroethane	30	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025
Vinyl chloride	6	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025
Xylenes (Total)	30	0.028	1.7	1.2	0.70	0.74	1.6	1.3	1.6	0.17	0.61
<b>Semivolatile Organic Compounds</b>											
Acenaphthylene	3.4	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33
Acenaphthene	3.4	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33
Acetophenone	9.7	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33
2-Acetylaminofluorene	140	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67
Aniline	14	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33
Anthracene	3.4	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33

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Compound	LDR (mg/kg)	Sample, Date Collected, and Concentration (mg/kg)									
		C4-6-24 2/25/97	C4-6-76 2/25/97	C4-7-76 2/25/97	C4-8-48 2/26/97	C4-8-88 2/26/97	C4-9-60 2/26/97	C4-9-92 2/26/97	C4-10-83 2/26/97	C4-11-60 2/26/97	C4-11-82 2/26/97
<b>Semivolatile Organic Compounds (cont.)</b>											
Benzo(a)anthracene	3.4	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33
Benzo(b)fluoranthene	6.8	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33
Benzo(k)fluoranthene	6.8	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33
Benzo(g,h,i)perylene	1.8	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33
Benzo(a)pyrene	3.4	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33
4-Bromophenyl phenyl ether	15	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33
Butyl benzyl phthalate	28	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66
Dinoseb	2.5	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67
4-Chloroaniline	16	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33
bis(2-Chloroethoxy)methane	7.2	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33
bis(2-Chloroethyl)ether	6	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33
bis(2-Chloroisopropyl)ether	7.2	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33
4-Chloro-3-methylphenol	14	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66
2-Chloronaphthalene	5.6	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33
2-Chlorophenol	5.7	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33
Chrysene	3.4	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33
2-Methylphenol	5.6	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66
3/4-Methylphenol	5.6	< 0.66	0.76	< 0.66	< 0.66	0.67	< 0.66	0.81	0.68	< 0.66	1.0
Dibenz(a,h)anthracene	8.2	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66
1,3-Dichlorobenzene	6	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33
1,2-Dichlorobenzene	6	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	0.68	< 0.33	< 0.33	0.35
1,4-Dichlorobenzene	6	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33
2,4-Dichlorophenol	14	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66
2,6-Dichlorophenol	14	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33
Diethyl phthalate	28	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33
2-4-Dimethylphenol	14	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	0.41	< 0.33	< 0.33	< 0.33
Dimethyl phthalate	28	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33
Di-n-butyl phthalate	28	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	0.71	< 0.33	< 0.33	< 0.33
1,4-Dinitrobenzene	2.3	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67
4,6-Dinitro-o-cresol	160	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67
2,4-Dinitrophenol	160	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67

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Compound	LDR (mg/kg)	Sample, Date Collected, and Concentration (mg/kg)									
		C4-6-24 2/25/97	C4-6-76 2/25/97	C4-7-76 2/25/97	C4-8-48 2/26/97	C4-8-88 2/26/97	C4-9-60 2/26/97	C4-9-92 2/26/97	C4-10-83 2/26/97	C4-11-60 2/26/97	C4-11-82 2/26/97
<b><i>Semivolatile Organic Compounds (cont.)</i></b>											
2,4-Dinitrotoluene	140	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67
2,6-Dinitrotoluene	28	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67
Di-n-octyl phthalate	28	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66
N-Nitrosodi-n-propylamine	14	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66
Diphenylamine	13	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66
N-Nitroso-Diphenylamine	13	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	0.71	< 0.66	< 0.66	< 0.66
bis (2-Ethylhexyl) phthalate	28	7.2	1.6	1.9	4.4	1.7	1.9	9.0	2.1	2.0	4.0
Fluoranthene	3.4	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33
Fluorene	3.4	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33
Hexachlorobenzene	10	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33
Hexachlorobutadiene	5.6	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66
Hexachlorocyclopentadiene	2.4	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67
Hexachloroethane	30	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67
Hexachloropropene	30	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67
Indeno (1,2,3-c,d) pyrene	3.4	< 1.66	< 1.66	< 1.66	< 1.66	< 1.66	< 1.66	< 1.66	< 1.66	< 1.66	< 1.66
Isosafrole	2.6	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33
Methapyrilene	1.5	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
3-Methylcholanthrene	15	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66
4,4'-Methylene-bis (2-chloroaniline)	30	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66
Naphthalene	5.6	< 0.33	4.8	2.3	1.7	9.1	8.5	7.4	4.1	5.1	4.4
2-Nitroaniline	14	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67
4-Nitroaniline	28	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67
Nitrobenzene	14	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33
5-Nitro-o-toluidine	28	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67
2-Nitrophenol	13	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66
4-Nitrophenol	29	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67
N-Nitrosodiethylamine	28	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33
N-Nitrosodimethylamine	2.3	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66
N-Nitroso-di-n-butylamine	17	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66
N-Nitroso-methylethylamine	2.3	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67
N-Nitrosomorpholine	2.3	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67

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Compound	LDR (mg/kg)	Sample, Date Collected, and Concentration (mg/kg)									
		C4-6-24 2/25/97	C4-6-76 2/25/97	C4-7-76 2/25/97	C4-8-48 2/26/97	C4-8-88 2/26/97	C4-9-60 2/26/97	C4-9-92 2/26/97	C4-10-83 2/26/97	C4-11-60 2/26/97	C4-11-82 2/26/97
<b>Semivolatile Organic Compounds (cont.)</b>											
N-Nitrosopiperidine	35	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33
N-Nitrosopyrrolidine	35	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67
Pentachlorobenzene	10	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33
Pentachloroethane	6	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33
Pentachloronitrobenzene	4.8	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67
Pentachlorophenol	7.4	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67
Phenacetin	16	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67
Phenanthrene	5.6	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33
Phenol	6.2	< 0.66	1.7	0.96	< 0.66	1.9	2.8	1.8	1.5	< 0.66	4.6
Pronamide	1.5	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67
Pyrene	8.2	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33
Pyridine	16	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67
Safrole	22	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33
1,2,4,5-Tetrachlorobenzene	14	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33
2,3,4,6-Tetrachlorophenol	7.4	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33
1,2,4-Trichlorobenzene	19	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33
2,4,5-Trichlorophenol	7.4	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33
2,4,6-Trichlorophenol	7.4	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33

**Table 1**  
**Summary of Laboratory Analyses**  
**CLTL Terminal**  
**Institute, West Virginia**  
**WEG Project No. HG-4812-96**

Compound	LDR (mg/kg)	Sample, Date Collected, and Concentration (mg/kg)									
		C4-12-24 2/26/97	C4-12-60 2/26/97	C4-12-84 2/26/97	C5-1-30 2/26/97	C5-2-40 2/26/97	C5-3-24 2/26/97	C5-3-41 2/26/97	C5-4-46 2/26/97	C5-5-47 2/26/97	C6-1-36 2/27/97
<b>Field Screening</b>											
Total VOCs	NA	0.0	49.1	29.5	0.0	NA	0.0	0.0	0.0	0.0	31.5
<b>Volatile Organic Compounds</b>											
Acetone	160	< 0.025	2.5	3.1	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	4.4
Acetonitrile	1.8	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
Acrylonitrile	84	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025
Benzene	10	< 0.025	0.090	0.030	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	0.26
Bromodichloromethane	15	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025
Methyl bromide	15	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025
n-Butyl alcohol	2.6	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
Carbon tetrachloride	6	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025
Chlorobenzene	6	0.19	0.91	0.48	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	0.22
2-Chloroprene	0.3	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025
Dibromochloromethane	15	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025
Chloroethane	6	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025
Chloroform	6	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	0.46
Methyl chloride	30	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025
Allyl chloride	30	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025
Ethylene dibromide	15	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025
1,2-Dibromo-3-chloropropane	15	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025
Dibromomethane	15	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025
Dichlorodifluoromethane	7.2	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025
1,1-Dichloroethane	6	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025
1,2-Dichloroethane	6	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025
1,1-Dichloroethylene	6	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025
trans-1,2-Dichloroethylene	30	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025
1,2-Dichloropropane	18	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	0.062
cis-1,3-Dichloropropene	18	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025
trans-1,3-Dichloropropene	18	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025
Ethyl acetate	33	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025
Propionitrile	360	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0

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**WEG Project No. HG-4812-96**

Compound	LDR (mg/kg)	Sample, Date Collected, and Concentration (mg/kg)									
		C4-12-24 2/26/97	C4-12-60 2/26/97	C4-12-84 2/26/97	C5-1-30 2/26/97	C5-2-40 2/26/97	C5-3-24 2/26/97	C5-3-41 2/26/97	C5-4-46 2/26/97	C5-5-47 2/26/97	C6-1-36 2/27/97
<b>Volatile Organic Compounds (cont.)</b>											
Ethylbenzene	10	0.16	9.4	6.5	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	6.8
Ethyl ether	160	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025
Ethyl methacrylate	160	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025
Iodomethane	65	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025
Isobutanol	170	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0
Methacrylonitrile	84	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025
Methylene chloride	30	< 0.025	1.6	0.64	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	0.77
2-Butanone	36	< 0.025	0.38	0.58	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	0.45
4-Methyl-2-pentanone	33	< 0.025	0.17	0.17	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	1.2
Methyl methacrylate	160	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025
1,1,1,2-Tetrachloroethane	6	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025
1,1,2,2-Tetrachloroethane	6	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025
Tetrachloroethene	6	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	0.089
Toluene	10	< 0.025	0.92	0.42	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	6.3
Bromoform	15	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025
1,1,1-Trichloroethane	6	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025
1,1,2-Trichloroethane	6	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025
Trichloroethene	6	< 0.025	0.57	0.13	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	0.11
Trichlorofluoromethane	30	< 0.025	0.11	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	0.30
1,2,3-Trichloropropane	30	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025
1,1,2-Trichlorofluoroethane	30	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025
Vinyl chloride	6	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025
Xylenes (Total)	30	0.033	5.8	0.70	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	7.6
<b>Semivolatile Organic Compounds</b>											
Acenaphthylene	3.4	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33
Acenaphthene	3.4	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33
Acetophenone	9.7	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33
2-Acetylaminofluorene	140	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67
Aniline	14	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33
Anthracene	3.4	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33

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Compound	LDR (mg/kg)	Sample, Date Collected, and Concentration (mg/kg)									
		C4-12-24 2/26/97	C4-12-60 2/26/97	C4-12-84 2/26/97	C5-1-30 2/26/97	C5-2-40 2/26/97	C5-3-24 2/26/97	C5-3-41 2/26/97	C5-4-46 2/26/97	C5-5-47 2/26/97	C6-1-36 2/27/97
<b>Semivolatile Organic Compounds (cont.)</b>											
Benzo(a)anthracene	3.4	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33
Benzo(b)fluoranthene	6.8	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33
Benzo(k)fluoranthene	6.8	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33
Benzo(g,h,i)perylene	1.8	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33
Benzo(a)pyrene	3.4	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33
4-Bromophenyl phenyl ether	15	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33
Butyl benzyl phthalate	28	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	1.6	< 0.66
Dinoseb	2.5	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67
4-Chloroaniline	16	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33
bis(2-Chloroethoxy)methane	7.2	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33
bis(2-Chloroethyl)ether	6	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33
bis(2-Chloroisopropyl)ether	7.2	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33
4-Chloro-3-methylphenol	14	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66
2-Chloronaphthalene	5.6	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33
2-Chlorophenol	5.7	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33
Chrysene	3.4	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33
2-Methylphenol	5.6	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66
3,4-Methylphenol	5.6	< 0.66	1.0	0.68	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	1.3
Dibenz(a,h)anthracene	8.2	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66
1,3-Dichlorobenzene	6	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33
1,2-Dichlorobenzene	6	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33
1,4-Dichlorobenzene	6	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33
2,4-Dichlorophenol	14	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66
2,6-Dichlorophenol	14	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33
Diethyl phthalate	28	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33
2-4-Dimethylphenol	14	< 0.33	0.44	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33
Dimethyl phthalate	28	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33
Di-n-butyl phthalate	28	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33
1,4-Dinitrobenzene	2.3	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67
4,6-Dinitro-o-cresol	160	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67
2,4-Dinitrophenol	160	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67

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Compound	LDR (mg/kg)	Sample, Date Collected, and Concentration (mg/kg)									
		C4-12-24 2/26/97	C4-12-60 2/26/97	C4-12-84 2/26/97	C5-1-30 2/26/97	C5-2-40 2/26/97	C5-3-24 2/26/97	C5-3-41 2/26/97	C5-4-46 2/26/97	C5-5-47 2/26/97	C6-1-36 2/27/97
<b><u>Semivolatile Organic Compounds (cont.)</u></b>											
2,4-Dinitrotoluene	140	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67
2,6-Dinitrotoluene	28	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67
Di-n-octyl phthalate	28	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	0.92	< 0.66
N-Nitrosodi-n-propylamine	14	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66
Diphenylamine	13	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66
N-Nitroso-Diphenylamine	13	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66
bis (2-Ethylhexyl) phthalate	28	5.0	3.2	1.3	0.74	< 0.33	1.9	< 0.33	2.0	15	1.1
Fluoranthene	3.4	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33
Fluorene	3.4	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33
Hexachlorobenzene	10	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33
Hexachlorobutadiene	5.6	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66
Hexachlorocyclopentadiene	2.4	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67
Hexachloroethane	30	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67
Hexachloropropene	30	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67
Indeno (1,2,3-c,d) pyrene	3.4	< 1.66	< 1.66	< 1.66	< 1.66	< 1.66	< 1.66	< 1.66	< 1.66	< 1.66	< 1.66
Isosafrole	2.6	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33
Methapyrilene	1.5	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
3-Methylcholanthrene	15	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66
4,4'-Methylene-bis (2-chloroaniline)	30	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66
Naphthalene	5.6	0.68	4.9	5.6	< 0.33	< 0.33	2.1	< 0.33	< 0.33	0.70	2.2
2-Nitroaniline	14	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67
4-Nitroaniline	28	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67
Nitrobenzene	14	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33
5-Nitro-o-toluidine	28	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67
2-Nitrophenol	13	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66
4-Nitrophenol	29	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67
N-Nitrosodiethylamine	28	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33
N-Nitrosodimethylamine	2.3	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66
N-Nitroso-di-n-butylamine	17	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66
N-Nitrosomethylethylamine	2.3	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67
N-Nitrosomorpholine	2.3	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67

**Table 1**  
**Summary of Laboratory Analyses**  
**CLTL Terminal**  
**Institute, West Virginia**  
**WEG Project No. HG-4812-96**

Compound	LDR (mg/kg)	Sample, Date Collected, and Concentration (mg/kg)									
		C4-12-24 2/26/97	C4-12-60 2/26/97	C4-12-84 2/26/97	C5-1-30 2/26/97	C5-2-40 2/26/97	C5-3-24 2/26/97	C5-3-41 2/26/97	C5-4-46 2/26/97	C5-5-47 2/26/97	C6-1-36 2/27/97
<b>Semivolatile Organic Compounds (cont.)</b>											
N-Nitrosopiperidine	35	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33
N-Nitrosopyrrolidine	35	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67
Pentachlorobenzene	10	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33
Pentachloroethane	6	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33
Pentachloronitrobenzene	4.8	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67
Pentachlorophenol	7.4	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67
Phenacetin	16	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67
Phenanthrene	5.6	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33
Phenol	6.2	< 0.66	2.7	2.6	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66
Pronamide	1.5	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67
Pyrene	8.2	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33
Pyridine	16	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67
Safrole	22	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33
1,2,4,5-Tetrachlorobenzene	14	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33
2,3,4,6-Tetrachlorophenol	7.4	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33
1,2,4-Trichlorobenzene	19	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33
2,4,5-Trichlorophenol	7.4	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33
2,4,6-Trichlorophenol	7.4	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33

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**Institute, West Virginia**  
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Compound	LDR (mg/kg)	Sample, Date Collected, and Concentration (mg/kg)									
		C6-1-48 2/27/97	C6-2-36 2/27/97	C6-2-60 2/27/97	C6-3-48 2/27/97	C6-3-60 2/27/97	C6-4-60 2/27/97	C6-5-36 2/27/97	C6-5-58 2/27/97	C6-6-36 2/27/97	C6-6-58 2/27/97
<b><i>Field Screening</i></b>											
Total VOCs	NA	0.0	88.1	482	27.9	0.0	0.0	0.0	358	0.0	0.0
<b><i>Volatile Organic Compounds</i></b>											
Acetone	160	3.8	0.49	1.7	1.2	0.64	0.68	0.36	0.95	0.22	0.69
Acetonitrile	1.8	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
Acrylonitrile	84	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025
Benzene	10	0.21	0.059	0.31	0.27	< 0.025	0.046	< 0.025	0.36	< 0.025	< 0.025
Bromodichloromethane	15	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025
Methyl bromide	15	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025
n-Butyl alcohol	2.6	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
Carbon tetrachloride	6	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025
Chlorobenzene	6	0.30	0.25	0.19	0.18	0.030	0.050	0.030	0.70	0.052	0.26
2-Chloroprene	0.3	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025
Dibromochloromethane	15	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025
Chloroethane	6	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025
Chloroform	6	0.51	0.080	0.56	0.28	< 0.025	0.26	< 0.025	1.0	0.034	< 0.025
Methyl chloride	30	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025
Allyl chloride	30	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025
Ethylene dibromide	15	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025
1,2-Dibromo-3-chloropropane	15	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025
Dibromomethane	15	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025
Dichlorodifluoromethane	7.2	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025
1,1-Dichloroethane	6	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025
1,2-Dichloroethane	6	< 0.025	< 0.025	0.032	< 0.025	< 0.025	< 0.025	< 0.025	0.049	< 0.025	< 0.025
1,1-Dichloroethylene	6	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025
trans-1,2-Dichloroethylene	30	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025
1,2-Dichloropropane	18	0.070	0.036	0.22	0.087	< 0.025	< 0.025	< 0.025	0.062	< 0.025	< 0.025
cis-1,3-Dichloropropene	18	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025
trans-1,3-Dichloropropene	18	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025
Ethyl acetate	33	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025
Propionitrile	360	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0

**Table 1**  
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**Institute, West Virginia**  
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Compound	LDR (mg/kg)	Sample, Date Collected, and Concentration (mg/kg)									
		C6-1-48 2/27/97	C6-2-36 2/27/97	C6-2-60 2/27/97	C6-3-48 2/27/97	C6-3-60 2/27/97	C6-4-60 2/27/97	C6-5-36 2/27/97	C6-5-58 2/27/97	C6-6-36 2/27/97	C6-6-58 2/27/97
<b>Volatile Organic Compounds (cont.)</b>											
Ethylbenzene	10	6.1	11	100	2.1	0.87	1.4	0.68	120	1.2	6.3
Ethyl ether	160	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025
Ethyl methacrylate	160	< 0.025	< 0.025	0.080	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025
Iodomethane	65	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025
Isobutanol	170	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0
Methacrylonitrile	84	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025
Methylene chloride	30	0.56	< 0.025	11	< 0.025	< 0.025	0.098	< 0.025	2.1	< 0.025	< 0.025
2-Butanone	36	0.66	0.060	0.41	0.20	0.096	0.10	0.12	0.078	0.031	0.074
4-Methyl-2-pentanone	33	0.99	0.14	3.5	0.61	0.097	0.57	0.092	0.13	0.095	0.057
Methyl methacrylate	160	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025
1,1,1,2-Tetrachloroethane	6	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025
1,1,2,2-Tetrachloroethane	6	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025
Tetrachloroethene	6	0.11	0.14	0.051	0.065	< 0.025	< 0.025	< 0.025	0.042	< 0.025	< 0.025
Toluene	10	0.34	0.50	8.3	0.17	0.16	0.67	0.18	8.3	0.19	0.22
Bromoform	15	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025
1,1,1-Trichloroethane	6	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025
1,1,2-Trichloroethane	6	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025
Trichloroethene	6	0.16	0.19	3.1	0.69	0.048	0.40	0.41	7.8	0.052	0.14
Trichlorofluoromethane	30	0.67	< 0.025	1.7	< 0.025	< 0.025	0.26	< 0.025	0.59	< 0.025	< 0.025
1,2,3-Trichloropropane	30	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025
1,1,2-Trichlorofluoroethane	30	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025
Vinyl chloride	6	< 0.025	< 0.025	0.042	0.23	< 0.025	0.033	< 0.025	< 0.025	< 0.025	< 0.025
Xylenes (Total)	30	5.3	4.2	65	1.4	0.96	1.2	0.28	170	0.55	0.82
<b>Semivolatile Organic Compounds</b>											
Acenaphthylene	3.4	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33
Acenaphthene	3.4	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33
Acetophenone	9.7	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33
2-Acetylaminofluorene	140	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67
Aniline	14	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33
Anthracene	3.4	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33

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Compound	LDR (mg/kg)	Sample, Date Collected, and Concentration (mg/kg)									
		C6-1-48 2/27/97	C6-2-36 2/27/97	C6-2-60 2/27/97	C6-3-48 2/27/97	C6-3-60 2/27/97	C6-4-60 2/27/97	C6-5-36 2/27/97	C6-5-58 2/27/97	C6-6-36 2/27/97	C6-6-58 2/27/97
<b>Semivolatile Organic Compounds (cont.)</b>											
Benzo(a)anthracene	3.4	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33
Benzo(b)fluoranthene	6.8	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33
Benzo(k)fluoranthene	6.8	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33
Benzo(g,h,i)perylene	1.8	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33
Benzo(a)pyrene	3.4	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33
4-Bromophenyl phenyl ether	15	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33
Butyl benzyl phthalate	28	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	1.4
Dinoseb	2.5	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67
4-Chloroaniline	16	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	0.46	< 0.33	< 0.33
bis(2-Chloroethoxy)methane	7.2	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33
bis(2-Chloroethyl)ether	6	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33
bis(2-Chloroisopropyl)ether	7.2	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33
4-Chloro-3-methylphenol	14	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66
2-Chloronaphthalene	5.6	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33
2-Chlorophenol	5.7	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33
Chrysene	3.4	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33
2-Methylphenol	5.6	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	0.96	< 0.66	0.91
3,4-Methylphenol	5.6	2.0	< 0.66	< 0.66	0.81	< 0.66	3.2	< 0.66	3.9	< 0.66	4.5
Dibenz(a,h)anthracene	8.2	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66
1,3-Dichlorobenzene	6	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33
1,2-Dichlorobenzene	6	0.61	< 0.33	< 0.33	< 0.33	< 0.33	2.3	< 0.33	6.2	< 0.33	13
1,4-Dichlorobenzene	6	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	0.38
2,4-Dichlorophenol	14	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66
2,6-Dichlorophenol	14	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33
Diethyl phthalate	28	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33
2-4-Dimethylphenol	14	0.55	< 0.33	< 0.33	< 0.33	< 0.33	0.85	< 0.33	1.2	< 0.33	3.3
Dimethyl phthalate	28	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33
Di-n-butyl phthalate	28	3.2	< 0.33	< 0.33	< 0.33	< 0.33	2.2	< 0.33	1.0	0.35	4.9
1,4-Dinitrobenzene	2.3	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67
4,6-Dinitro-o-cresol	160	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67
2,4-Dinitrophenol	160	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67

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Compound	LDR (mg/kg)	Sample, Date Collected, and Concentration (mg/kg)									
		C6-1-48 2/27/97	C6-2-36 2/27/97	C6-2-60 2/27/97	C6-3-48 2/27/97	C6-3-60 2/27/97	C6-4-60 2/27/97	C6-5-36 2/27/97	C6-5-58 2/27/97	C6-6-36 2/27/97	C6-6-58 2/27/97
<b>Semivolatile Organic Compounds (cont.)</b>											
2,4-Dinitrotoluene	140	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67
2,6-Dinitrotoluene	28	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67
Di-n-octyl phthalate	28	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	1.3
N-Nitrosodi-n-propylamine	14	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66
Diphenylamine	13	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66
N-Nitroso-Diphenylamine	13	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	2.4
bis (2-Ethylhexyl) phthalate	28	11	2.0	0.88	1.1	1.2	7.7	8.3	17	4.3	17
Fluoranthene	3.4	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33
Fluorene	3.4	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33
Hexachlorobenzene	10	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33
Hexachlorobutadiene	5.6	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66
Hexachlorocyclopentadiene	2.4	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67
Hexachloroethane	30	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67
Hexachloropropene	30	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67
Indeno (1,2,3-c,d) pyrene	3.4	< 1.66	< 1.66	< 1.66	< 1.66	< 1.66	< 1.66	< 1.66	< 1.66	< 1.66	< 1.66
Isosafrole	2.6	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33
Methapyrilene	1.5	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
3-Methylcholanthrene	15	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66
4,4'-Methylene-bis (2-chloroaniline)	30	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66
Naphthalene	5.6	7.8	4.7	0.66	2.9	0.65	8.1	1.2	26	2.6	6.6
2-Nitroaniline	14	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67
4-Nitroaniline	28	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67
Nitrobenzene	14	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33
5-Nitro-o-toluidine	28	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67
2-Nitrophenol	13	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66
4-Nitrophenol	29	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67
N-Nitrosodiethylamine	28	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33
N-Nitrosodimethylamine	2.3	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66
N-Nitroso-di-n-butylamine	17	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66
N-Nitrosomethylmethylenamine	2.3	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67
N-Nitrosomorpholine	2.3	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67

**Table 1**  
**Summary of Laboratory Analyses**  
**CLTL Terminal**  
**Institute, West Virginia**  
**WEG Project No. HG-4812-96**

Compound	LDR (mg/kg)	Sample, Date Collected, and Concentration (mg/kg)									
		C6-1-48 2/27/97	C6-2-36 2/27/97	C6-2-60 2/27/97	C6-3-48 2/27/97	C6-3-60 2/27/97	C6-4-60 2/27/97	C6-5-36 2/27/97	C6-5-58 2/27/97	C6-6-36 2/27/97	C6-6-58 2/27/97
<b>Semivolatile Organic Compounds (cont.)</b>											
N-Nitrosopiperidine	35	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33
N-Nitrosopyrrolidine	35	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67
Pentachlorobenzene	10	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33
Pentachloroethane	6	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33
Pentachloronitrobenzene	4.8	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67
Pentachlorophenol	7.4	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67
Phenacetin	16	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67
Phenanthrene	5.6	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33
Phenol	6.2	5.0	0.69	< 0.66	0.99	< 0.66	4.5	< 0.66	16	< 0.66	7.3
Pronamide	1.5	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67
Pyrene	8.2	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33
Pyridine	16	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67
Safrole	22	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33
1,2,4,5-Tetrachlorobenzene	14	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33
2,3,4,6-Tetrachlorophenol	7.4	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33
1,2,4-Trichlorobenzene	19	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33
2,4,5-Trichlorophenol	7.4	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33
2,4,6-Trichlorophenol	7.4	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33

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Compound	LDR (mg/kg)	Sample, Date Collected, and Concentration (mg/kg)									
		C6-7-59 2/27/97	C6-7-59D 2/27/97	C6-8-36 2/27/97	C6-8-56 2/27/97	C6-9-44 2/27/97	C6-9-44D 2/27/97	C6-10-24 2/27/97	C7-1-48 2/26/97	C7-1-60 2/26/97	C7-2-55 2/26/97
<b>Field Screening</b>											
Total VOCs	NA	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
<b>Volatile Organic Compounds</b>											
Acetone	160	0.16	0.46	0.081	0.29	0.68	1.3	0.66	0.95	0.42	0.71
Acetonitrile	1.8	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
Acrylonitrile	84	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025
Benzene	10	< 0.025	0.029	< 0.025	< 0.025	0.046	0.089	0.70	0.32	< 0.025	< 0.025
Bromodichloromethane	15	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025
Methyl bromide	15	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025
n-Butyl alcohol	2.6	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
Carbon tetrachloride	6	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025
Chlorobenzene	6	0.037	0.087	0.038	0.064	0.48	0.48	0.40	6.5	8.8	0.31
2-Chloroprene	0.3	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025
Dibromochloromethane	15	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025
Chloroethane	6	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025
Chloroform	6	< 0.025	0.040	< 0.025	< 0.025	0.23	0.44	0.62	0.029	< 0.025	0.037
Methyl chloride	30	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025
Allyl chloride	30	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025
Ethylene dibromide	15	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025
1,2-Dibromo-3-chloropropane	15	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025
Dibromomethane	15	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025
Dichlorodifluoromethane	7.2	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025
1,1-Dichloroethane	6	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025
1,2-Dichloroethane	6	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025
1,1-Dichloroethene	6	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025
trans-1,2-Dichloroethene	30	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025
1,2-Dichloropropane	18	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	0.36	< 0.025	< 0.025
cis-1,3-Dichloropropene	18	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025
trans-1,3-Dichloropropene	18	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025
Ethyl acetate	33	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025
Propionitrile	360	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0

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Compound	LDR (mg/kg)	Sample, Date Collected, and Concentration (mg/kg)									
		C6-7-59 2/27/97	C6-7-59D 2/27/97	C6-8-36 2/27/97	C6-8-56 2/27/97	C6-9-44 2/27/97	C6-9-44D 2/27/97	C6-10-24 2/27/97	C7-1-48 2/26/97	C7-1-60 2/26/97	C7-2-55 2/26/97
<b>Volatile Organic Compounds (cont.)</b>											
Ethylbenzene	10	0.68	1.6	0.58	0.58	1.2	2.0	4.5	8.6	8.0	1.2
Ethyl ether	160	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025
Ethyl methacrylate	160	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025
Iodomethane	65	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025
Isobutanol	170	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0
Methacrylonitrile	84	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025
Methylene chloride	30	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	0.042	< 0.025	0.86	< 0.025	< 0.025
2-Butanone	36	< 0.025	0.040	< 0.025	< 0.025	0.051	0.050	0.10	0.24	0.074	0.10
4-Methyl-2-pentanone	33	< 0.025	0.050	< 0.025	< 0.025	0.067	0.079	0.075	0.12	< 0.025	0.077
Methyl methacrylate	160	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025
1,1,1,2-Tetrachloroethane	6	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025
1,1,2,2-Tetrachloroethane	6	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025
Tetrachloroethylene	6	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	0.026	< 0.025
Toluene	10	0.14	0.46	0.084	0.083	0.74	1.0	2.6	1.2	0.24	0.58
Bromoform	15	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025
1,1,1-Trichloroethane	6	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025
1,1,2-Trichloroethane	6	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025
Trichloroethylene	6	0.059	0.12	0.038	0.055	0.35	0.34	4.8	1.2	< 0.025	0.056
Trichlorofluoromethane	30	< 0.025	< 0.025	< 0.025	< 0.025	0.065	0.080	0.10	0.38	< 0.025	< 0.025
1,2,3-Trichloropropane	30	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	0.093	< 0.025
1,1,2-Trichlorofluoroethane	30	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025
Vinyl chloride	6	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	0.063	< 0.025	< 0.025	< 0.025	0.17
Xylenes (Total)	30	0.46	1.0	1.2	0.83	1.4	1.4	6.2	1.0	1.6	0.83
<b>Semivolatile Organic Compounds</b>											
Acenaphthylene	3.4	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33
Acenaphthene	3.4	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33
Acetophenone	9.7	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33
2-Acetylaminofluorene	140	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67
Aniline	14	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33
Anthracene	3.4	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33

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Compound	LDR (mg/kg)	Sample, Date Collected, and Concentration (mg/kg)									
		C6-7-59 2/27/97	C6-7-59D 2/27/97	C6-8-36 2/27/97	C6-8-56 2/27/97	C6-9-44 2/27/97	C6-9-44D 2/27/97	C6-10-24 2/27/97	C7-1-48 2/26/97	C7-1-60 2/26/97	C7-2-55 2/26/97
<b>Semivolatile Organic Compounds (cont.)</b>											
Benzo(a)anthracene	3.4	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33
Benzo(b)fluoranthene	6.8	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33
Benzo(k)fluoranthene	6.8	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33
Benzo(g,h,i)perylene	1.8	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33
Benzo(a)pyrene	3.4	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33
4-Bromophenyl phenyl ether	15	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33
Butyl benzyl phthalate	28	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66
Dinoseb	2.5	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67
4-Chloroaniline	16	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33
bis(2-Chloroethoxy)methane	7.2	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33
bis(2-Chloroethyl)ether	6	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33
bis(2-Chloroisopropyl)ether	7.2	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33
4-Chloro-3-methylphenol	14	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66
2-Chloronaphthalene	5.6	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33
2-Chlorophenol	5.7	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33
Chrysene	3.4	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33
2-Methylphenol	5.6	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66
3,4-Methylphenol	5.6	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	0.82	< 0.66	< 0.66	< 0.66
Dibenzo(a,h)anthracene	8.2	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66
1,3-Dichlorobenzene	6	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33
1,2-Dichlorobenzene	6	< 0.33	< 0.33	3.0	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	0.72	< 0.33
1,4-Dichlorobenzene	6	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33
2,4-Dichlorophenol	14	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66
2,6-Dichlorophenol	14	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33
Diethyl phthalate	28	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33
2,4-Dimethylphenol	14	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33
Dimethyl phthalate	28	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33
Di-n-butyl phthalate	28	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	1.2	0.46	< 0.33	< 0.33
1,4-Dinitrobenzene	2.3	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67
4,6-Dinitro-o-cresol	160	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67
2,4-Dinitrophenol	160	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67

**Table 1**  
**Summary of Laboratory Analyses**  
**CLTL Terminal**  
**Institute, West Virginia**  
**WEG Project No. HG-4812-96**

Compound	LDR (mg/kg)	Sample, Date Collected, and Concentration (mg/kg)									
		C6-7-59 2/27/97	C6-7-59D 2/27/97	C6-8-36 2/27/97	C6-8-56 2/27/97	C6-9-44 2/27/97	C6-9-44D 2/27/97	C6-10-24 2/27/97	C7-1-48 2/26/97	C7-1-60 2/26/97	C7-2-55 2/26/97
<b>Semivolatile Organic Compounds (cont.)</b>											
2,4-Dinitrotoluene	140	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67
2,6-Dinitrotoluene	28	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67
Di-n-octyl phthalate	28	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66
N-Nitrosodi-n-propylamine	14	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66
Diphenylamine	13	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66
N-Nitroso-Diphenylamine	13	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	1.3	< 0.66	< 0.66	< 0.66
bis (2-Ethylhexyl) phthalate	28	1.2	2.2	2.2	1.4	5.3	7.2	8.1	2.6	3.5	4.8
Fluoranthene	3.4	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33
Fluorene	3.4	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33
Hexachlorobenzene	10	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33
Hexachlorobutadiene	5.6	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66
Hexachlorocyclopentadiene	2.4	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67
Hexachloroethane	30	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67
Hexachloropropene	30	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67
Indeno (1,2,3-c,d) pyrene	3.4	< 1.66	< 1.66	< 1.66	< 1.66	< 1.66	< 1.66	< 1.66	< 1.66	< 1.66	< 1.66
Isosafrole	2.6	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33
Methapyrilene	1.5	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
3-Methylcholanthrene	15	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66
4,4'-Methylene-bis (2-chloroaniline)	30	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66
Naphthalene	5.6	< 0.33	0.75	1.3	0.48	1.2	1.2	1.3	0.47	0.60	1.6
2-Nitroaniline	14	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67
4-Nitroaniline	28	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67
Nitrobenzene	14	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33
5-Nitro-o-toluidine	28	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67
2-Nitrophenol	13	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66
4-Nitrophenol	29	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67
N-Nitrosodiethylamine	28	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33
N-Nitrosodimethylamine	2.3	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66
N-Nitroso-di-n-butylamine	17	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66
N-Nitrosomethylmethylethylamine	2.3	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67
N-Nitrosomorpholine	2.3	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67

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Compound	LDR (mg/kg)	Sample, Date Collected, and Concentration (mg/kg)									
		C6-7-59 2/27/97	C6-7-59D 2/27/97	C6-8-36 2/27/97	C6-8-56 2/27/97	C6-9-44 2/27/97	C6-9-44D 2/27/97	C6-10-24 2/27/97	C7-1-48 2/26/97	C7-1-60 2/26/97	C7-2-55 2/26/97
<b>Semivolatile Organic Compounds (cont.)</b>											
N-Nitrosopiperidine	35	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33
N-Nitrosopyrrolidine	35	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67
Pentachlorobenzene	10	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33
Pentachloroethane	6	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33
Pentachloronitrobenzene	4.8	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67
Pentachlorophenol	7.4	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67
Phenacetin	16	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67
Phenanthrene	5.6	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33
Phenol	6.2	-	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66
Pronamide	1.5	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67
Pyrene	8.2	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33
Pyridine	16	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67
Safrole	22	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33
1,2,4,5-Tetrachlorobenzene	14	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33
2,3,4,6-Tetrachlorophenol	7.4	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33
1,2,4-Trichlorobenzene	19	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	0.55	< 0.33	< 0.33
2,4,5-Trichlorophenol	7.4	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33
2,4,6-Trichlorophenol	7.4	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33

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Compound	LDR (mg/kg)	Sample, Date Collected, and Concentration (mg/kg)									
		C7-2-55D 2/26/97	C7-3-24 2/26/97	C7-3-60 2/26/97	C7-4-60 2/26/97	C7-5-52 2/26/97	C7-6-24 2/26/97	C7-6-42 2/26/97	C8-1-46 2/27/97	C8-2-24 2/27/97	C8-2-48 2/27/97
<b>Field Screening</b>											
Total VOCs	NA	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
<b>Volatile Organic Compounds</b>											
Acetone	160	0.87	0.23	3.3	1.0	0.85	0.95	0.53	0.40	0.32	2.0
Acetonitrile	1.8	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
Acrylonitrile	84	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025
Benzene	10	0.036	< 0.025	0.083	< 0.025	< 0.025	0.026	0.035	< 0.025	< 0.025	< 0.025
Bromodichloromethane	15	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025
Methyl bromide	15	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025
n-Butyl alcohol	2.6	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
Carbon tetrachloride	6	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025
Chlorobenzene	6	0.46	0.78	0.14	0.073	< 0.025	0.043	0.16	0.18	4.6	7.3
2-Chloroprene	0.3	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025
Dibromochloromethane	15	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025
Chloroethane	6	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025
Chloroform	6	0.059	0.030	0.28	0.086	0.048	0.089	0.087	< 0.025	0.041	0.092
Methyl chloride	30	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025
Allyl chloride	30	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025
Ethylene dibromide	15	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025
1,2-Dibromo-3-chloropropane	15	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025
Dibromomethane	15	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025
Dichlorodifluoromethane	7.2	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025
1,1-Dichloroethane	6	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025
1,2-Dichloroethane	6	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025
1,1-Dichloroethylene	6	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025
trans -1,2-Dichloroethylene	30	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025
1,2-Dichloropropane	18	< 0.025	< 0.025	0.041	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025
cis -1,3-Dichloropropene	18	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025
trans -1,3-Dichloropropene	18	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025
Ethyl acetate	33	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025
Propionitrile	360	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0

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Compound	LDR (mg/kg)	Sample, Date Collected, and Concentration (mg/kg)									
		C7-2-55D 2/26/97	C7-3-24 2/26/97	C7-3-60 2/26/97	C7-4-60 2/26/97	C7-5-52 2/26/97	C7-6-24 2/26/97	C7-6-42 2/26/97	C8-1-46 2/27/97	C8-2-24 2/27/97	C8-2-48 2/27/97
<b>Volatile Organic Compounds (cont.)</b>											
Ethylbenzene	10	18	49	11	5.7	6.8	0.97	5.5	0.43	1.2	7.8
Ethyl ether	160	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025
Ethyl methacrylate	160	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025
Iodomethane	65	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025
Isobutanol	170	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0
Methacrylonitrile	84	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025
Methylene chloride	30	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	0.029	< 0.025
2-Butanone	36	0.13	0.046	0.48	0.16	0.14	0.13	0.028	< 0.025	0.067	0.23
4-Methyl-2-pentanone	33	0.12	0.028	0.34	0.18	0.092	0.11	0.10	< 0.025	< 0.025	< 0.025
Methyl methacrylate	160	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025
1,1,1,2-Tetrachloroethane	6	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025
1,1,2,2-Tetrachloroethane	6	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025
Tetrachloroethene	6	< 0.025	< 0.025	1.1	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	0.20	0.57
Toluene	10	1.1	1.1	< 0.025	0.70	0.22	0.28	1.1	0.037	0.14	0.58
Bromoform	15	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025
1,1,1-Trichloroethane	6	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025
1,1,2-Trichloroethane	6	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025
Trichloroethene	6	0.31	0.52	0.49	0.082	0.034	0.13	< 0.025	< 0.025	0.052	0.16
Trichlorofluoromethane	30	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025
1,2,3-Trichloropropane	30	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025
1,1,2-Trichlorofluoroethane	30	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025
Vinyl chloride	6	0.15	0.094	0.12	0.18	0.34	0.37	0.14	< 0.025	< 0.025	< 0.025
Xylenes (Total)	30	1.7	12	1.6	4.2	0.31	0.45	1.9	0.14	0.29	0.99
<b>Semivolatile Organic Compounds</b>											
Acenaphthylene	3.4	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33
Acenaphthene	3.4	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33
Acetophenone	9.7	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33
2-Acetylaminofluorene	140	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67
Aniline	14	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	0.46	< 0.33
Anthracene	3.4	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33

**Table 1**  
**Summary of Laboratory Analyses**  
**CLTL Terminal**  
**Institute, West Virginia**  
**WEG Project No. HG-4812-96**

Compound	LDR (mg/kg)	Sample, Date Collected, and Concentration (mg/kg)									
		C7-2-55D 2/26/97	C7-3-24 2/26/97	C7-3-60 2/26/97	C7-4-60 2/26/97	C7-5-52 2/26/97	C7-6-24 2/26/97	C7-6-42 2/26/97	C8-1-46 2/27/97	C8-2-24 2/27/97	C8-2-48 2/27/97
<b><i>Semivolatile Organic Compounds (cont.)</i></b>											
Benzo(a)anthracene	3.4	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33
Benzo(b)fluoranthene	6.8	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33
Benzo(k)fluoranthene	6.8	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33
Benzo(g,h,i)perylene	1.8	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33
Benzo(a)pyrene	3.4	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33
4-Bromophenyl phenyl ether	15	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33
Butyl benzyl phthalate	28	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66
Dinoseb	2.5	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67
4-Chloroaniline	16	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33
bis(2-Chloroethoxy)methane	7.2	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33
bis(2-Chloroethyl)ether	6	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33
bis(2-Chloroisopropyl)ether	7.2	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33
4-Chloro-3-methylphenol	14	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66
2-Chloronaphthalene	5.6	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33
2-Chlorophenol	5.7	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33
Chrysene	3.4	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33
2-Methylphenol	5.6	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66
3,4-Methylphenol	5.6	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	1.1	< 0.66
Dibenz(a,h)anthracene	8.2	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66
1,3-Dichlorobenzene	6	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33
1,2-Dichlorobenzene	6	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	0.44	0.46
1,4-Dichlorobenzene	6	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33
2,4-Dichlorophenol	14	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66
2,6-Dichlorophenol	14	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33
Diethyl phthalate	28	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33
2,4-Dimethylphenol	14	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33
Dimethyl phthalate	28	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33
Di-n-butyl phthalate	28	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33
1,4-Dinitrobenzene	2.3	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67
4,6-Dinitro-o-cresol	160	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67
2,4-Dinitrophenol	160	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67

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Compound	LDR (mg/kg)	Sample, Date Collected, and Concentration (mg/kg)									
		C7-2-55D 2/26/97	C7-3-24 2/26/97	C7-3-60 2/26/97	C7-4-60 2/26/97	C7-5-52 2/26/97	C7-6-24 2/26/97	C7-6-42 2/26/97	C8-1-46 2/27/97	C8-2-24 2/27/97	C8-2-48 2/27/97
<b>Semivolatile Organic Compounds (cont.)</b>											
2,4-Dinitrotoluene	140	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67
2,6-Dinitrotoluene	28	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67
Di-n-octyl phthalate	28	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66
N-Nitrosodi-n-propylamine	14	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66
Diphenylamine	13	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66
N-Nitroso-Diphenylamine	13	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66
bis (2-Ethylhexyl) phthalate	28	18	1.6	14	1.8	3.4	5.6	3.2	1.6	2.7	1.7
Fluoranthene	3.4	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	0.33	< 0.33
Fluorene	3.4	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33
Hexachlorobenzene	10	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33
Hexachlorobutadiene	5.6	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66
Hexachlorocyclopentadiene	2.4	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67
Hexachloroethane	30	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67
Hexachloropropene	30	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67
Indeno (1,2,3-c,d) pyrene	3.4	< 1.66	< 1.66	< 1.66	< 1.66	< 1.66	< 1.66	< 1.66	< 1.66	< 1.66	< 1.66
Isosafrole	2.6	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33
Methapyrilene	1.5	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
3-Methylcholanthrene	15	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66
4,4'-Methylene-bis (2-chloroaniline)	30	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66
Naphthalene	5.6	4.5	1.2	3.2	6.9	< 0.33	< 0.33	0.98	< 0.33	0.44	0.70
2-Nitroaniline	14	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67
4-Nitroaniline	28	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67
Nitrobenzene	14	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33
5-Nitro-o-toluidine	28	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67
2-Nitrophenol	13	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66
4-Nitrophenol	29	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67
N-Nitrosodiethylamine	28	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33
N-Nitrosodimethylamine	2.3	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66
N-Nitroso-di-n-butylamine	17	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66
N-Nitrosomethylmethylethylamine	2.3	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67
N-Nitrosomorpholine	2.3	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67

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Compound	LDR (mg/kg)	Sample, Date Collected, and Concentration (mg/kg)									
		C7-2-55D 2/26/97	C7-3-24 2/26/97	C7-3-60 2/26/97	C7-4-60 2/26/97	C7-5-52 2/26/97	C7-6-24 2/26/97	C7-6-42 2/26/97	C8-1-46 2/27/97	C8-2-24 2/27/97	C8-2-48 2/27/97
<b><u>Semivolatile Organic Compounds (cont.)</u></b>											
N-Nitrosopiperidine	35	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33
N-Nitrosopyrrolidine	35	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67
Pentachlorobenzene	10	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33
Pentachloroethane	6	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33
Pentachloronitrobenzene	4.8	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67
Pentachlorophenol	7.4	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67
Phenacetin	16	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67
Phenanthrene	5.6	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	0.61	< 0.33
Phenol	6.2	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66
Pronamide	1.5	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67
Pyrene	8.2	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33
Pyridine	16	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67
Safrole	22	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33
1,2,4,5-Tetrachlorobenzene	14	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33
2,3,4,6-Tetrachlorophenol	7.4	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33
1,2,4-Trichlorobenzene	19	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	1.5	1.0
2,4,5-Trichlorophenol	7.4	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33
2,4,6-Trichlorophenol	7.4	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33

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Compound	LDR (mg/kg)	Sample, Date Collected, and Concentration (mg/kg)									
		C8-3-48 2/27/97	C8-3-48D 2/27/97	C8-4-50 2/27/97	TB-1 2/24/97	TB-2 2/25/97	TB-3 2/26/97	TB-4 2/27/97	FB-1 2/24/97	FB-2 2/25/97	FB-3 2/26/97
<b>Field Screening</b>											
Total VOCs	NA	0.0	0.0	0.0	NA						
<b>Volatile Organic Compounds</b>											
Acetone	160	1.1	0.82	< 0.025	< 0.025	< 0.025	< 0.025	0.067	0.029	0.028	0.078
Acetonitrile	1.8	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
Acrylonitrile	84	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025
Benzene	10	0.049	0.036	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025
Bromodichloromethane	15	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025
Methyl bromide	15	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025
n-Butyl alcohol	2.6	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
Carbon tetrachloride	6	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025
Chlorobenzene	6	0.23	0.11	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025
2-Chloroprene	0.3	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025
Dibromochloromethane	15	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025
Chloroethane	6	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025
Chloroform	6	0.18	0.095	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025
Methyl chloride	30	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025
Allyl chloride	30	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025
Ethylene dibromide	15	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025
1,2-Dibromo-3-chloropropane	15	0.080	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025
Dibromomethane	15	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025
Dichlorodifluoromethane	7.2	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025
1,1-Dichloroethane	6	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025
1,2-Dichloroethane	6	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025
1,1-Dichloroethene	6	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025
trans-1,2-Dichloroethene	30	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025
1,2-Dichloropropane	18	< 0.025	0.044	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025
cis-1,3-Dichloropropene	18	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025
trans-1,3-Dichloropropene	18	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025
Ethyl acetate	33	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025
Propionitrile	360	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0

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Compound	LDR (mg/kg)	Sample, Date Collected, and Concentration (mg/kg)									
		C8-3-48 2/27/97	C8-3-48D 2/27/97	C8-4-50 2/27/97	TB-1 2/24/97	TB-2 2/25/97	TB-3 2/26/97	TB-4 2/27/97	FB-1 2/24/97	FB-2 2/25/97	FB-3 2/26/97
<b>Volatile Organic Compounds (cont.)</b>											
Ethylbenzene	10	12	3.7	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025
Ethyl ether	160	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025
Ethyl methacrylate	160	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025
Iodomethane	65	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025
Isobutanol	170	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0
Methacrylonitrile	84	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025
Methylene chloride	30	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025
2-Butanone	36	0.045	0.036	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025
4-Methyl-2-pentanone	33	0.16	0.080	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025
Methyl methacrylate	160	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025
1,1,1,2-Tetrachloroethane	6	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025
1,1,2,2-Tetrachloroethane	6	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025
Tetrachloroethene	6	0.064	0.034	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025
Toluene	10	3.2	1.3	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025
Bromoform	15	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025
1,1,1-Trichloroethane	6	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025
1,1,2-Trichloroethane	6	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025
Trichloroethene	6	2.1	0.61	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025
Trichlorofluoromethane	30	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025
1,2,3-Trichloropropane	30	0.037	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025
1,1,2-Trichlorofluoroethane	30	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025
Vinyl chloride	6	0.46	0.59	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025
Xylenes (Total)	30	15	2.8	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025
<b>Semivolatile Organic Compounds</b>											
Acenaphthylene	3.4	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33
Acenaphthene	3.4	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33
Acetophenone	9.7	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33
2-Acetylaminofluorene	140	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67
Aniline	14	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33
Anthracene	3.4	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33

**Table 1**  
**Summary of Laboratory Analyses**  
**CLTL Terminal**  
**Institute, West Virginia**  
**WEG Project No. HG-4812-96**

Compound	LDR (mg/kg)	Sample, Date Collected, and Concentration (mg/kg)									
		C8-3-48 2/27/97	C8-3-48D 2/27/97	C8-4-50 2/27/97	TB-1 2/24/97	TB-2 2/25/97	TB-3 2/26/97	TB-4 2/27/97	FB-1 2/24/97	FB-2 2/25/97	FB-3 2/26/97
<b><i>Semivolatile Organic Compounds (cont.)</i></b>											
Benzo(a)anthracene	3.4	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33
Benzo(b)fluoranthene	6.8	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33
Benzo(k)fluoranthene	6.8	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33
Benzo(g,h,i)perylene	1.8	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33
Benzo(a)pyrene	3.4	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33
4-Bromophenyl phenyl ether	15	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33
Butyl benzyl phthalate	28	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66
Dinoseb	2.5	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67
4-Chloroaniline	16	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33
bis(2-Chloroethoxy)methane	7.2	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33
bis(2-Chloroethyl)ether	6	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33
bis(2-Chloroisopropyl)ether	7.2	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33
4-Chloro-3-methylphenol	14	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66
2-Chloronaphthalene	5.6	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33
2-Chlorophenol	5.7	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33
Chrysene	3.4	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33
2-Methylphenol	5.6	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66
3,4-Methylphenol	5.6	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66
Dibenz(a,h)anthracene	8.2	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66
1,3-Dichlorobenzene	6	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33
1,2-Dichlorobenzene	6	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33
1,4-Dichlorobenzene	6	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33
2,4-Dichlorophenol	14	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66
2,6-Dichlorophenol	14	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33
Diethyl phthalate	28	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33
2,4-Dimethylphenol	14	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33
Dimethyl phthalate	28	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33
Di-n-butyl phthalate	28	< 0.33	0.37	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33
1,4-Dinitrobenzene	2.3	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67
4,6-Dinitro-o-cresol	160	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67
2,4-Dinitrophenol	160	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67

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**CLTL Terminal**  
**Institute, West Virginia**  
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Compound	LDR (mg/kg)	Sample, Date Collected, and Concentration (mg/kg)									
		C8-3-48 2/27/97	C8-3-48D 2/27/97	C8-4-50 2/27/97	TB-1 2/24/97	TB-2 2/25/97	TB-3 2/26/97	TB-4 2/27/97	FB-1 2/24/97	FB-2 2/25/97	FB-3 2/26/97
<b>Semivolatile Organic Compounds (cont.)</b>											
2,4-Dinitrotoluene	140	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67
2,6-Dinitrotoluene	28	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67
Di-n-octyl phthalate	28	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66
N-Nitrosodi-n-propylamine	14	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66
Diphenylamine	13	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66
N-Nitroso-Diphenylamine	13	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66
bis(2-Ethylhexyl) phthalate	28	3.4	5.7	1.3	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33
Fluoranthene	3.4	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33
Fluorene	3.4	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33
Hexachlorobenzene	10	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33
Hexachlorobutadiene	5.6	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66
Hexachlorocyclopentadiene	2.4	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67
Hexachloroethane	30	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67
Hexachloropropene	30	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67
Indeno (1,2,3-c,d) pyrene	3.4	< 1.66	< 1.66	< 1.66	< 1.66	< 1.66	< 1.66	< 1.66	< 1.66	< 1.66	< 1.66
Isosafrole	2.6	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33
Methapyrilene	1.5	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
3-Methylcholanthrene	15	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66
4,4'-Methylene-bis (2-chloroaniline)	30	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66
Naphthalene	5.6	4.4	7.2	0.70	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33
2-Nitroaniline	14	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67
4-Nitroaniline	28	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67
Nitrobenzene	14	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33
5-Nitro-o-toluidine	28	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67
2-Nitrophenol	13	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66
4-Nitrophenol	29	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67
N-Nitrosodiethylamine	28	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33
N-Nitrosodimethylamine	2.3	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66
N-Nitroso-di-n-butylamine	17	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66
N-Nitrosomethylmethylethylamine	2.3	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67
N-Nitrosomorpholine	2.3	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67

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Compound	LDR (mg/kg)	Sample, Date Collected, and Concentration (mg/kg)									
		C8-3-48 2/27/97	C8-3-48D 2/27/97	C8-4-50 2/27/97	TB-1 2/24/97	TB-2 2/25/97	TB-3 2/26/97	TB-4 2/27/97	FB-1 2/24/97	FB-2 2/25/97	FB-3 2/26/97
<b>Semivolatile Organic Compounds (cont.)</b>											
N-Nitrosopiperidine	35	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33
N-Nitrosopyrrolidine	35	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67
Pentachlorobenzene	10	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33
Pentachloroethane	6	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33
Pentachloronitrobenzene	4.8	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67
Pentachlorophenol	7.4	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67
Phenacetin	16	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67
Phenanthrene	5.6	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33
Phenol	6.2	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66
Pronamide	1.5	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67
Pyrene	8.2	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33
Pyridine	16	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67
Safrole	22	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33
1,2,4,5-Tetrachlorobenzene	14	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33
2,3,4,6-Tetrachlorophenol	7.4	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33
1,2,4-Trichlorobenzene	19	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33
2,4,5-Trichlorophenol	7.4	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33
2,4,6-Trichlorophenol	7.4	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33

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Compound	LDR (mg/kg)	Sample, Date Collected, and Concentration (mg/kg)						
		FB-4 2/27/97	FB-5 2/27/97	Method 2/24/97	Method 2/24/97	Method 2/25/97	Method 2/26/97	Method 2/27/97
<b><i>Field Screening</i></b>								
Total VOCs	NA	NA	NA	NA	NA	NA	NA	NA
<b><i>Volatile Organic Compounds</i></b>								
Acetone	160	0.57	0.60	< 0.025	NA	< 0.025	< 0.025	< 0.025
Acetonitrile	1.8	< 0.5	< 0.5	< 0.5	NA	< 0.5	< 0.5	< 0.5
Acrylonitrile	84	< 0.025	< 0.025	< 0.025	NA	< 0.025	< 0.025	< 0.025
Benzene	10	< 0.025	< 0.025	< 0.025	NA	< 0.025	< 0.025	< 0.025
Bromodichloromethane	15	< 0.025	< 0.025	< 0.025	NA	< 0.025	< 0.025	< 0.025
Methyl bromide	15	< 0.025	< 0.025	< 0.025	NA	< 0.025	< 0.025	< 0.025
n-Butyl alcohol	2.6	< 0.5	< 0.5	< 0.5	NA	< 0.5	< 0.5	< 0.5
Carbon tetrachloride	6	< 0.025	< 0.025	< 0.025	NA	< 0.025	< 0.025	< 0.025
Chlorobenzene	6	< 0.025	< 0.025	< 0.025	NA	< 0.025	< 0.025	< 0.025
2-Chloroprene	0.3	< 0.025	< 0.025	< 0.025	NA	< 0.025	< 0.025	< 0.025
Dibromochloromethane	15	< 0.025	< 0.025	< 0.025	NA	< 0.025	< 0.025	< 0.025
Chloroethane	6	< 0.025	< 0.025	< 0.025	NA	< 0.025	< 0.025	< 0.025
Chloroform	6	< 0.025	< 0.025	< 0.025	NA	< 0.025	< 0.025	< 0.025
Methyl chloride	30	< 0.025	< 0.025	< 0.025	NA	< 0.025	< 0.025	< 0.025
Allyl chloride	30	< 0.025	< 0.025	< 0.025	NA	< 0.025	< 0.025	< 0.025
Ethylene dibromide	15	< 0.025	< 0.025	< 0.025	NA	< 0.025	< 0.025	< 0.025
1,2-Dibromo-3-chloropropane	15	< 0.025	< 0.025	< 0.025	NA	< 0.025	< 0.025	< 0.025
Dibromomethane	15	< 0.025	< 0.025	< 0.025	NA	< 0.025	< 0.025	< 0.025
Dichlorodifluoromethane	7.2	< 0.025	< 0.025	< 0.025	NA	< 0.025	< 0.025	< 0.025
1,1-Dichloroethane	6	< 0.025	< 0.025	< 0.025	NA	< 0.025	< 0.025	< 0.025
1,2-Dichloroethane	6	< 0.025	< 0.025	< 0.025	NA	< 0.025	< 0.025	< 0.025
1,1-Dichloroethene	6	< 0.025	< 0.025	< 0.025	NA	< 0.025	< 0.025	< 0.025
trans-1,2-Dichloroethene	30	< 0.025	< 0.025	< 0.025	NA	< 0.025	< 0.025	< 0.025
1,2-Dichloropropane	18	< 0.025	< 0.025	< 0.025	NA	< 0.025	< 0.025	< 0.025
cis-1,3-Dichloropropene	18	< 0.025	< 0.025	< 0.025	NA	< 0.025	< 0.025	< 0.025
trans-1,3-Dichloropropene	18	< 0.025	< 0.025	< 0.025	NA	< 0.025	< 0.025	< 0.025
Ethyl acetate	33	< 0.025	< 0.025	< 0.025	NA	< 0.025	< 0.025	< 0.025
Propionitrile	360	< 2.0	< 2.0	< 2.0	NA	< 2.0	< 2.0	< 2.0

**Table 1**  
**Summary of Laboratory Analyses**  
**CLTL Terminal**  
**Institute, West Virginia**  
**WEG Project No. HG-4812-96**

Compound	LDR (mg/kg)	Sample, Date Collected, and Concentration (mg/kg)						
		FB-4 2/27/97	FB-5 2/27/97	Method 2/24/97	Method 2/24/97	Method 2/25/97	Method 2/26/97	Method 2/27/97
<b>Volatile Organic Compounds (cont.)</b>								
Ethylbenzene	10	< 0.025	0.027	< 0.025	NA	< 0.025	< 0.025	< 0.025
Ethyl ether	160	< 0.025	< 0.025	< 0.025	NA	< 0.025	< 0.025	< 0.025
Ethyl methacrylate	160	< 0.025	< 0.025	< 0.025	NA	< 0.025	< 0.025	< 0.025
Iodomethane	65	< 0.025	< 0.025	< 0.025	NA	< 0.025	< 0.025	< 0.025
Isobutanol	170	< 2.0	< 2.0	< 2.0	NA	< 2.0	< 2.0	< 2.0
Methacrylonitrile	84	< 0.025	< 0.025	< 0.025	NA	< 0.025	< 0.025	< 0.025
Methylene chloride	30	< 0.025	< 0.025	< 0.025	NA	< 0.025	< 0.025	< 0.025
2-Butanone	36	< 0.025	0.042	< 0.025	NA	< 0.025	< 0.025	< 0.025
4-Methyl-2-pentanone	33	< 0.025	0.030	< 0.025	NA	< 0.025	< 0.025	< 0.025
Methyl methacrylate	160	< 0.025	< 0.025	< 0.025	NA	< 0.025	< 0.025	< 0.025
1,1,1,2-Tetrachloroethane	6	< 0.025	< 0.025	< 0.025	NA	< 0.025	< 0.025	< 0.025
1,1,2,2-Tetrachloroethane	6	< 0.025	< 0.025	< 0.025	NA	< 0.025	< 0.025	< 0.025
Tetrachloroethene	6	< 0.025	< 0.025	< 0.025	NA	< 0.025	< 0.025	< 0.025
Toluene	10	0.030	0.030	< 0.025	NA	< 0.025	< 0.025	< 0.025
Bromoform	15	< 0.025	< 0.025	< 0.025	NA	< 0.025	< 0.025	< 0.025
1,1,1-Trichloroethane	6	< 0.025	< 0.025	< 0.025	NA	< 0.025	< 0.025	< 0.025
1,1,2-Trichloroethane	6	< 0.025	< 0.025	< 0.025	NA	< 0.025	< 0.025	< 0.025
Trichloroethene	6	< 0.025	< 0.025	< 0.025	NA	< 0.025	< 0.025	< 0.025
Trichlorofluoromethane	30	< 0.025	< 0.025	< 0.025	NA	< 0.025	< 0.025	< 0.025
1,2,3-Trichloropropane	30	< 0.025	< 0.025	< 0.025	NA	< 0.025	< 0.025	< 0.025
1,1,2-Trichlorofluoroethane	30	< 0.025	< 0.025	< 0.025	NA	< 0.025	< 0.025	< 0.025
Vinyl chloride	6	< 0.025	< 0.025	< 0.025	NA	< 0.025	< 0.025	< 0.025
Xylenes (Total)	30	< 0.025	< 0.025	< 0.025	NA	< 0.025	< 0.025	< 0.025
<b>Semivolatile Organic Compounds</b>								
Acenaphthylene	3.4	< 0.33	< 0.33	< 0.33	NA	< 0.33	< 0.33	< 0.33
Acenaphthene	3.4	< 0.33	< 0.33	< 0.33	NA	< 0.33	< 0.33	< 0.33
Acetophenone	9.7	< 0.33	< 0.33	< 0.33	NA	< 0.33	< 0.33	< 0.33
2-Acetylaminofluorene	140	< 1.67	< 1.67	< 1.67	NA	< 1.67	< 1.67	< 1.67
Aniline	14	< 0.33	< 0.33	< 0.33	NA	< 0.33	< 0.33	< 0.33
Anthracene	3.4	< 0.33	< 0.33	< 0.33	NA	< 0.33	< 0.33	< 0.33

**Table 1**  
**Summary of Laboratory Analyses**  
**CLTL Terminal**  
**Institute, West Virginia**  
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Compound	LDR (mg/kg)	Sample, Date Collected, and Concentration (mg/kg)						
		FB-4 2/27/97	FB-5 2/27/97	Method 2/24/97	Method 2/24/97	Method 2/25/97	Method 2/26/97	Method 2/27/97
<b><i>Semivolatile Organic Compounds (cont.)</i></b>								
Benzo(a)anthracene	3.4	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33
Benzo(b)fluoranthene	6.8	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33
Benzo(k)fluoranthene	6.8	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33
Benzo(g,h,i)perylene	1.8	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33
Benzo(a)pyrene	3.4	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33
4-Bromophenyl phenyl ether	15	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33
Butyl benzyl phthalate	28	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66
Dinoseb	2.5	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67
4-Chloroaniline	16	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33
bis(2-Chloroethoxy)methane	7.2	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33
bis(2-Chloroethyl)ether	6	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33
bis(2-Chloroisopropyl)ether	7.2	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33
4-Chloro-3-methylphenol	14	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66
2-Chloronaphthalene	5.6	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33
2-Chlorophenol	5.7	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33
Chrysene	3.4	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33
2-Methylphenol	5.6	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66
3/4-Methylphenol	5.6	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66
Dibenz(a,h)anthracene	8.2	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66
1,3-Dichlorobenzene	6	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33
1,2-Dichlorobenzene	6	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33
1,4-Dichlorobenzene	6	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33
2,4-Dichlorophenol	14	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66
2,6-Dichlorophenol	14	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33
Diethyl phthalate	28	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33
2-4-Dimethylphenol	14	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33
Dimethyl phthalate	28	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33
Di-n-butyl phthalate	28	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33
1,4-Dinitrobenzene	2.3	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67
4,6-Dinitro-o-cresol	160	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67
2,4-Dinitrophenol	160	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67

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**Summary of Laboratory Analyses**  
**CLTL Terminal**  
**Institute, West Virginia**  
**WEG Project No. HG-4812-96**

Compound	LDR (mg/kg)	Sample, Date Collected, and Concentration (mg/kg)						
		FB-4 2/27/97	FB-5 2/27/97	Method 2/24/97	Method 2/24/97	Method 2/25/97	Method 2/26/97	Method 2/27/97
<b>Semivolatile Organic Compounds (cont.)</b>								
2,4-Dinitrotoluene	140	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67
2,6-Dinitrotoluene	28	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67
Di-n-octyl phthalate	28	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66
N-Nitrosodi-n-propylamine	14	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66
Diphenylamine	13	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66
N-Nitroso-Diphenylamine	13	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66
bis (2-Ethylhexyl) phthalate	28	4.2	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33
Fluoranthene	3.4	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33
Fluorene	3.4	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33
Hexachlorobenzene	10	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33
Hexachlorobutadiene	5.6	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66
Hexachlorocyclopentadiene	2.4	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67
Hexachloroethane	30	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67
Hexachloropropene	30	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67
Indeno (1,2,3-c,d) pyrene	3.4	< 1.66	< 1.66	< 1.66	< 1.66	< 1.66	< 1.66	< 1.66
Isosafrole	2.6	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33
Methapyrilene	1.5	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
3-Methylcholanthrene	15	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66
4,4'-Methylene-bis (2-chloroaniline)	30	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66
Naphthalene	5.6	1.1	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33
2-Nitroaniline	14	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67
4-Nitroaniline	28	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67
Nitrobenzene	14	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33
5-Nitro-o-toluidine	28	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67
2-Nitrophenol	13	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66
4-Nitrophenol	29	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67
N-Nitrosodiethylamine	28	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33
N-Nitrosodimethylamine	2.3	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66
N-Nitroso-di-n-butylamine	17	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66
N-Nitrosomethylmethylethylamine	2.3	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67
N-Nitrosomorpholine	2.3	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67

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Compound	LDR (mg/kg)	Sample, Date Collected, and Concentration (mg/kg)						
		FB-4 2/27/97	FB-5 2/27/97	Method 2/24/97	Method 2/24/97	Method 2/25/97	Method 2/26/97	Method 2/27/97
<b>Semi-volatile Organic Compounds (cont.)</b>								
N-Nitrosopiperidine	35	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33
N-Nitrosopyrrolidine	35	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67
Pentachlorobenzene	10	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33
Pentachloroethane	6	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33
Pentachloronitrobenzene	4.8	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67
Pentachlorophenol	7.4	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67
Phenacetin	16	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67
Phenanthrene	5.6	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33
Phenol	6.2	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66	< 0.66
Pronamide	1.5	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67
Pyrene	8.2	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33
Pyridine	16	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67	< 1.67
Safrole	22	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33
1,2,4,5-Tetrachlorobenzene	14	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33
2,3,4,6-Tetrachlorophenol	7.4	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33
1,2,4-Trichlorobenzene	19	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33
2,4,5-Trichlorophenol	7.4	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33
2,4,6-Trichlorophenol	7.4	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33